

# CALIFORNIA INSTITUTE OF TECHNOLOGY

EARTHQUAKE ENGINEERING RESEARCH LABORATORY

## STRONG MOTION EARTHQUAKE ACCELEROGRAMS DIGITIZED AND PLOTTED DATA

VOLUME II - CORRECTED ACCELEROGRAMS AND INTEGRATED  
GROUND VELOCITY AND DISPLACEMENT CURVES

PART F - ACCELEROGRAMS IIF086 THROUGH IIF105

REPORT NO. EERL 73-51

A REPORT ON RESEARCH CONDUCTED UNDER A  
GRANT FROM THE NATIONAL SCIENCE FOUNDATION

PASADENA, CALIFORNIA

JUNE 1973,

CALIFORNIA INSTITUTE OF TECHNOLOGY  
EARTHQUAKE ENGINEERING RESEARCH LABORATORY

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DIGITIZED AND PLOTTED DATA

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Ground Velocity and Displacement Curves

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Pasadena, California

June, 1973

## ABSTRACT

The first set of twenty corrected earthquake accelerograms was published in September 1971, as Volume II, Part A, Report No. EERL 71-50, the first report of the Volume II series. That issue also contained introductory material and background information describing the types of corrections used. The corresponding uncorrected data appeared earlier in Volume I, Part A, Report No. EERL 70-20. Both of these reports, containing references related to the records themselves and the various procedures, should be referred to by all users of the data. This issue, Volume II, Part F, Report No. EERL 73-51 continues with the accelerograms obtained during the San Fernando Earthquake of February 9, 1971 and includes one record from each of the following: the CMD Building in Vernon, the Orange County Engineering Building in Santa Ana, the Municipal Services Building at 633 East Broadway in Glendale, the Southern California Edison Company in Colton, Ft. Tejon, the Pearblossom Pumping Plant, the Oso Pumping Plant in Gorman, and the UCLA Reactor Lab in Los Angeles, and three records each from the buildings at 808 S. Olive, 2011 Zonal, 120 N. Robertson, and 646 S. Olive, all in Los Angeles. The uncorrected versions of the accelerograms in this issue appeared earlier in Volume I, Part F, Report EERL 71-23.

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## PREFACE TO VOLUME II, PART F

This issue of corrected accelerograms and integrated ground velocity and displacement curves contains data from the San Fernando, California, Earthquake of February 9, 1971. The corrected data for records from this earthquake appeared first in Volume II, Part C, Report No. EERL 72-51 and this continuation includes records from the following locations:

1. CMD Building, Vernon
2. Orange County Engineering Building, Santa Ana.
3. Municipal Services Building, 633 E. Broadway, Glendale
4. 808 S. Olive St., Los Angeles (3 records)
5. 2011 Zonal, Los Angeles (3 records)
6. 120 N. Robertson, Los Angeles (3 records)
7. 646 S. Olive St., Los Angeles (3 records)
8. Southern California Edison Co., Colton
9. Fort Tejon
10. Pearblossom Pumping Plant
11. Oso Pumping Plant (Gorman)
12. UCLA Reactor Lab, Los Angeles

The uncorrected versions of the accelerograms in this issue appeared in Volume I, Part F, Report No. EERL 71-23.

Reference may be made to Volume II, Parts A and B, Report Nos. EERL 71-50 and 72-50 for introductory material and references to papers discussing various details of the processing and computing problems. Several comments applying to every report of the Volume II series of corrected digitized data are included in the next section.

We are grateful to the staff members of the Earthquake Engineering Research Laboratory who at all stages of the project continue to devote their time and attention to producing these reports and their associated cards and tapes. In particular we are indebted to Mr. Vincent Lee and Mr. James E. Justiss for carrying out the computing side of the project with such

enthusiasm, to Miss Barbara Turner for typing and editing, and to the staff of the Willis H. Booth Computing Center and the Graphic Arts Facilities. We appreciate the major support from the National Science Foundation that has made the entire project possible, and the continued contributions from the Earthquake Research Affiliates program of the California Institute of Technology.

M. D. Trifunac  
A. G. Brady  
D. E. Hudson

Earthquake Engineering Research Laboratory  
California Institute of Technology

## Notes on the Volume II series of Reports

The following includes some general background information describing the Volume II series.

Part A of Volume II, Corrected Accelerograms and Integrated Ground Velocity and Displacement Curves, Report No. EERL 71-50, was published in September 1971, and contained in a general introduction to the series, detailed information on the methods and procedures used which should be consulted by all users of the data. Part B of Volume II, Report No. EERL 72-50, which appeared in February 1973, contained additional references to papers discussing various details of the processing and computing problems. Part C, Report No. EERL 72-51, began the presentation of corrected data for the unusually important series of accelerograms obtained during the San Fernando Earthquake of February 9, 1971. All the records considered suitable for standard digitizing will be included in the issues following Part C.

The format of presentation of the results at the end of this second stage of data processing is the same as in Volume II, Part A, Report No. EERL 71-50. The plots of acceleration, velocity, and displacement appear first, with details of the earthquake, the recording site and the peak values in the headings.

A thorough description of the naming of component directions for the records was given in Volume II, Part B, Report No. EERL 72-50. Consistent with this, the component direction, where it appears in this report, refers to the direction of the transducer pendulum motion for the trace to be deflected "up" on the record when viewed in the normal way with time increasing from left to right. During earthquake acceleration

measurements the pendulum responds dynamically to an "inertia force" whose direction is opposite to that of the acceleration of the instrument base and it follows that the true ground acceleration will be opposite to the pendulum motion defined above. Consequently, in the following plots the y-axis scale is inverted so as to retain both the familiar pattern of the accelerograms and the listed component direction. The printout of the corrected accelerograms appears next, in units of mm/sec/sec, at equal time intervals of 0.02 seconds. Identification labels, instrument characteristics, peak values and initial values are in the headings for each component.

It is apparent in some of the displacement plots in this entire series of Volume II reports that some long period noise is still present in the published data. There are no components remaining with periods longer than the cut-off period of 16 seconds, but it is evident that for some records this cut-off period, taken as standard for all records, is in fact too long. The cause for this lies in the very low amplitude of acceleration for much of the duration of some of the records and the consequent lowering of the signal to noise ratio. This noise arises primarily from random digitization noise, and is independent of the acceleration amplitudes. With this in mind, the displacement plots indicate that a cut-off period lower than 16 seconds should be used to remove these components from the acceleration data. It is clear, of course, that in routine processing of accelerograms such as those mentioned above, it is not practical to examine each earthquake accelerogram in sufficient detail to permit selection of the cut-off period optimal for that particular record. This aspect of the work is beyond the scope of this volume and is left to be completed by an

investigator, whose specific research requirements determine the precise nature of filtering best suited to his needs.

All of the reports constituting the Volume II series mention specific references that discuss particular aspects of the various earthquake records. A list of these reports and other publications of the Earthquake Engineering Research Laboratory appears at the back of this issue, including the EERL Report Number and the Accession Number, with which they are obtainable from:

National Technical Information Service  
U. S. Department of Commerce  
Springfield, Virginia 22151.

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST

Series Ref. No.	Caltech Log. No.	Instrmt; Serial No.	Station No.; Location	Component* Direction	Period T <sub>0</sub> (sec)	Sens. (cm/g)	Damp* Ratio, %	Damp* % crit.
IIF086	71.100	Std. 41-A	288; Vernon; CMD Bldg.	N83W S07W Up	.065 .064 .063	13.2 13.2 12.9	7 10 10	52.8 59.1 59.1
IIF087	71.101	Std. 11-M	281; Santa Ana; Orange County Engr. Bldg.	S04E S86W Up	.063 .064 .064	11.9 11.7 11.5	9 9 9	57.2 57.2 57.2
IIF088	71.102	AR240 216	122; Glendale; 633 E. Broad- way, Mun. Svc. Bldg.	S70E S20W Down	.061 .059 .060	15 15 15	9.2 10.3 8.5	57.7 59.6 56.3
IIF089	71.247	AR240 198	175; 808 S. Olive, L. A. Street Level	S53E S37W Down	.053 .053 .054	7.6* 7.6* 7.6*	9.4 9.5 10.1	58.1 58.2 59.3
IIF090	71.103	AR240 226	176; Ditto 4th Level	N37E S53E Down	.054 .052 .054	7.6* 7.6* 7.6*	8.5 8.8 10.7	56.3 56.8 60.2
IIF091	71.104	AR240 206	177; Ditto 8th Level	S53E S37W Down	.056 .054 .059	7.6* 7.6* 7.6*	9.1 9.5 9.9	57.4 58.2 59.0
IIF092	71.105	AR240 296	190; 2011 Zonal, L. A. Basement	S62E S28W Down	.047 .047 .048	7.6* 7.6* 7.6*	9.8 9.3 10.1	58.7 57.8 59.3
IIF093	71.106	AR240 292	191; Ditto 5th Floor	S62E S28W Down	.048 .047 .047	7.6* 7.6* 7.6*	8.8 7.5 7.9	56.8 54.0 54.8
IIF094	71.107	AR240 302	192; Ditto 9th Floor	S62E S28W Down	.049 .051 .048	7.6* 7.6* 7.6*	10.9 10.2 8.7	60.4 59.5 56.6

\*

See footnotes at end of table.

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST (cont.)

Series Ref. No.	Caltech Log. No.	Instrmt; Serial No.	Station No.; Location	Component* Direction	Period T <sub>0</sub> (sec)	Sens. (cm/g)	Damp* Ratio, c	Damp* % crit.
IIF095	71.111	AR240 239	143; 120 N. Robertson, L. A., Sub-Bsmt.	S88E S02W Down	.053 .054 .053	7.6* 7.6* 7.6*	9.4 9.7 9.0	58.1 58.6 57.2
IIF096	71.112	AR240 237	144; Ditto 4th Floor	S88E S02W Down	.057 .054 .055	7.6* 7.6* 7.6*	7.8 8.6 6.9	54.6 56.5 52.4
IIF097	71.113	AR240 238	142; Ditto 9th Floor	S88E S02W Down	.053 .054 .054	7.6* 7.6* 7.6*	9.4 9.7 9.7	57.9 58.5 58.6
IIF098	71.114	AR240 262	166; 646 S. Olive, L. A. Basement	S53E S37W Down	.051 .048 .048	7.6* 7.6* 7.6*	10.4 10.0 8.7	59.7 59.1 56.7
IIF099	71.115	AR240 266	167; Ditto 4th Level	S53E S37W Down	.047 .047 .045	7.6* 7.6* 7.6*	9.3 9.0 8.8	57.8 57.3 56.9
IIF100	71.116	AR240 265	168; Ditto Roof	S53E S37W Down	.047 .053 .048	7.6* 7.6* 7.6*	7.9 9.4 9.4	54.8 58.0 58.0
IIF101	71.142	Std. 38-A	113; Colton; So. Calif. Edison Co.	South East Up	.065 .066 .066	13.4 14.0 13.1	10 10 10	59.1 59.1 59.1
IIF102	71.143	AR240 CW-115	96; Fort Tejon	North East Down	.052 .052 .051	7.6* 7.6* 7.6*	10.5 10.3 7.4	59.8 59.5 53.9
IIF103	71.144	AR240 CW-215	269; Pearblossom Pump. Plant	North West Down	.057 .054 .058	7.6* 7.6* 7.6*	12.5 9.2 12.0	62.6 57.6 61.9

\* See footnotes at end of table.

INSTRUMENT CHARACTERISTICS FOR SAN FERNANDO EARTHQUAKE, 2-9-71, 0600 PST (cont.)

Series Ref. No.	Caltech Log. No.	Instrmt; Serial No.	Station No.; Location	Component* Direction	Period T <sub>o</sub> (sec)	Sens.* (cm/g)	Damp* Ratio,ε	Damp* % crit.
IIF104	71.146	AR240	52;	North	.053	7.6*	12.5	62.6
		CW-194	Oso Pumping Plant, Gorman	West	.054	7.6*	10.3	59.5
				Down	.056	7.6*	8.9	57.1
IIF105	71.147	Std.	140;	South	.084	21	10	59.1
		62-S	UCLA Reactor Lab, L. A.	East	.084	22	9	57.2
				Up	.084	21	10	59.1

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\* Static Magnification,  $V_s = \omega_n^2 \cdot \text{Sensitivity} = \left( \frac{2\pi}{T_o(\text{sec})} \right)^2 \cdot \frac{\text{Sensitivity (cm/g)}}{980 (\text{cm/sec}^2/\text{g})}$

Asterisked sensitivities are nominal values.

Damping Ratio,  $\epsilon = \exp[\pi n / (1 - n^2)]$  where n is the fraction of critical damping.

Periods and damping values have been obtained by direct measurement of the calibration test records appearing at the beginning or end of the earthquake records. If none were present, the data were taken from the Seismological Field Survey's latest list (January, 1970).

The component direction is that of the pendulum motion that causes the trace to be deflected upwards.



## EARTHQUAKE DATA

The San Fernando, California, Earthquake of February 9, 1971,  
0600 PST; epicenter,  $34^{\circ}24.0'N$ ,  $118^{\circ}23.7'W$ ; maximum intensity, XI;  
magnitude, ( $M_L$ ), 6.6; depth, 13.0 km.

REFERENCES (See additional list, page 256)

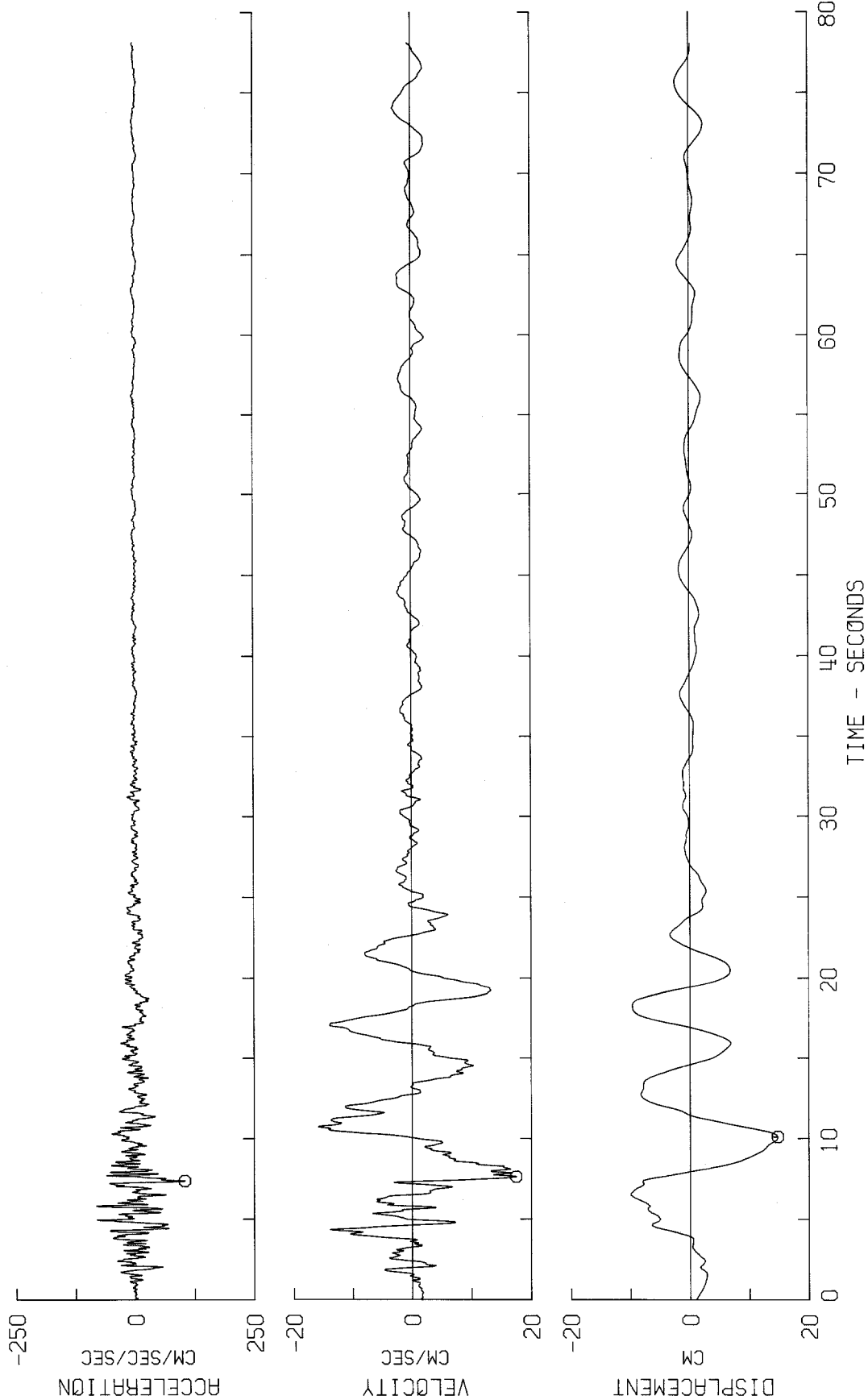
- (April-May, 1971). "The San Fernando Earthquake," California Geology, v. 24, n. 4-5.
  - (November, 1971). "Report of the Los Angeles County Earthquake Commission, San Fernando Earthquake, February 9, 1971," prepared for the Los Angeles Board of Supervisors.
  - "The San Fernando Earthquake of February 9, 1971," National Academy of Sciences, Washington, D. C.
- Barrows, A. G., et al (1971). "Map of Surface Breaks Resulting from the San Fernando, California, Earthquake of February 9, 1971," California Division of Mines and Geology.
- Bolt, B. A. (August, 1972). "San Fernando Rupture Mechanism and the Pacoima Strong-Motion Record," Bull. Seism. Soc. Am., v. 62, n. 4, 1053-1061.
- Canitez, N. and M. N. Toksöz (May, 1972). "Static and Dynamic Study of Earthquake Source Mechanism: San Fernando Earthquake," Journal of Geophysical Research, v. 77, n. 14, 2583-2594.
- Division of Geological and Planetary Sciences, California Institute of Technology (April, 1971). "Preliminary Seismological and Geological Studies of the San Fernando, California, Earthquake of February 9, 1971," Bull. Seism. Soc. Am., v. 61, n. 2, 491-495.
- Housner, G. W. and P. C. Jennings (July-September, 1972). "The San Fernando California Earthquake," Earthquake Engineering and Structural Dynamics, The Journal of the International Association for Earthquake Engineering, v. 1, n. 1, 5-31.
- Hudson, D. E. (December, 1972). "Local Distribution of Strong Earthquake Ground Motions," Bull. Seism. Soc. Am., v. 62, n. 6, 1765-1786.
- Proctor, R. J., R. Crook, Jr., M. H. McKeown, and R. L. Moresco (June, 1972). "Relation of Known Faults to Surface Ruptures, 1971 San Fernando Earthquake, Southern California," Bull. Geol. Soc. Am. v. 83, 1601-1618.
- Steinbrugge, K. V., et al (August, 1971). "The San Fernando Earthquake, February 9, 1971," Pacific Fire Rating Bureau, 465 California Street, San Francisco, California.
- Trifunac, M. D. (June, 1972). "Stress Estimates for the San Fernando, California, Earthquake of February 9, 1971: Main Event and Thirteen Aftershocks," Bull. Seism. Soc. Am., v. 62, n. 3, 721-750.

- Trifunac, M. D. and D. E. Hudson (October, 1971). "Analysis of the Pacoima Dam Accelerogram," Bull. Seism. Soc. Am., v. 61, n. 5, 1393-1411.
- U. S. Department of Commerce (March, 1971). "The San Fernando, California, Earthquake of February 9, 1971," National Bureau of Standards Report 10556.
- U. S. Department of Commerce (December, 1971). "Engineering Aspects of the 1971 San Fernando Earthquake," Building Science Series 40, National Bureau of Standards.
- U. S. Geological Survey and the National Oceanic and Atmospheric Administration. "The San Fernando, California, Earthquake of February 9, 1971," Geological Survey Professional Paper 733, (preliminary report).

INDEX OF EARTHQUAKE RECORDS IN  
VOLUME II, PART F

<u>Records</u>	<u>Plot</u>	<u>Print-Out</u>
San Fernando Earthquake, February 9, 1971 - 0600 PST		
IIF086; CMD Building, Vernon, Calif.; N83W, S07W, Up	13	73
IIF087; Orange County Engineering Bldg., Santa Ana, Calif.; S04E, S86W, Up	16	88
IIF088; 633 E. Broadway, Mun. Svc. Bldg., Glendale, Calif.; S70E, S20W, Down	19	103
IIF089; 808 S. Olive, Street Level, Los Angeles, Calif.; S53E, S37W, Down	22	112
IIF090; 808 S. Olive, 4th Level, Los Angeles, Calif.; N37E, S53E, Down	25	124
IIF091; 808 S. Olive, 8th Level, Los Angeles, Calif.; S53E, S37W, Down	28	136
IIF092; 2011 Zonal, Basement, Los Angeles, Calif.; S62E, S28W, Down	31	148
IIF093; 2011 Zonal, 5th Floor, Los Angeles, Calif.; S62E, S28W, Down	34	154
IIF094; 2011 Zonal, 9th Floor, Los Angeles, Calif.; S62E, S28W, Down	37	160
IIF095; 120 N. Robertson, Sub-Bsmt., Los Angeles, Calif.; S88E, S02W, Down	40	166
IIF096; 120 N. Robertson, 4th Floor, Los Angeles, Calif.; S88E, S02W, Down	43	178
IIF097; 120 N. Robertson, 9th Floor, Los Angeles, Calif.; S88E, S02W, Down	46	190
IIF098; 646 S. Olive, Basement, Los Angeles, Calif.; S53E, S37W, Down	49	202
IIF099; 646 S. Olive, 4th Level, Los Angeles, Calif.; S53E, S37W, Down	52	211
IIF100; 646 S. Olive, Roof, Los Angeles, Calif.; S53E, S37W, Down	55	220
IIF101; So. Calif. Edison Co., Colton, Calif.; South, East, Up	58	229
IIF102; Fort Tejon, Calif.; North, East, Down	61	232
IIF103; Pearblossom Pumping Plant, Calif.; North, West, Down	64	235
IIF104; Oso Pumping Plant, Gorman, Calif.; North, West, Down	67	241
IIF105; UCLA Reactor Lab, Los Angeles, Calif.; South, East, Up	70	244

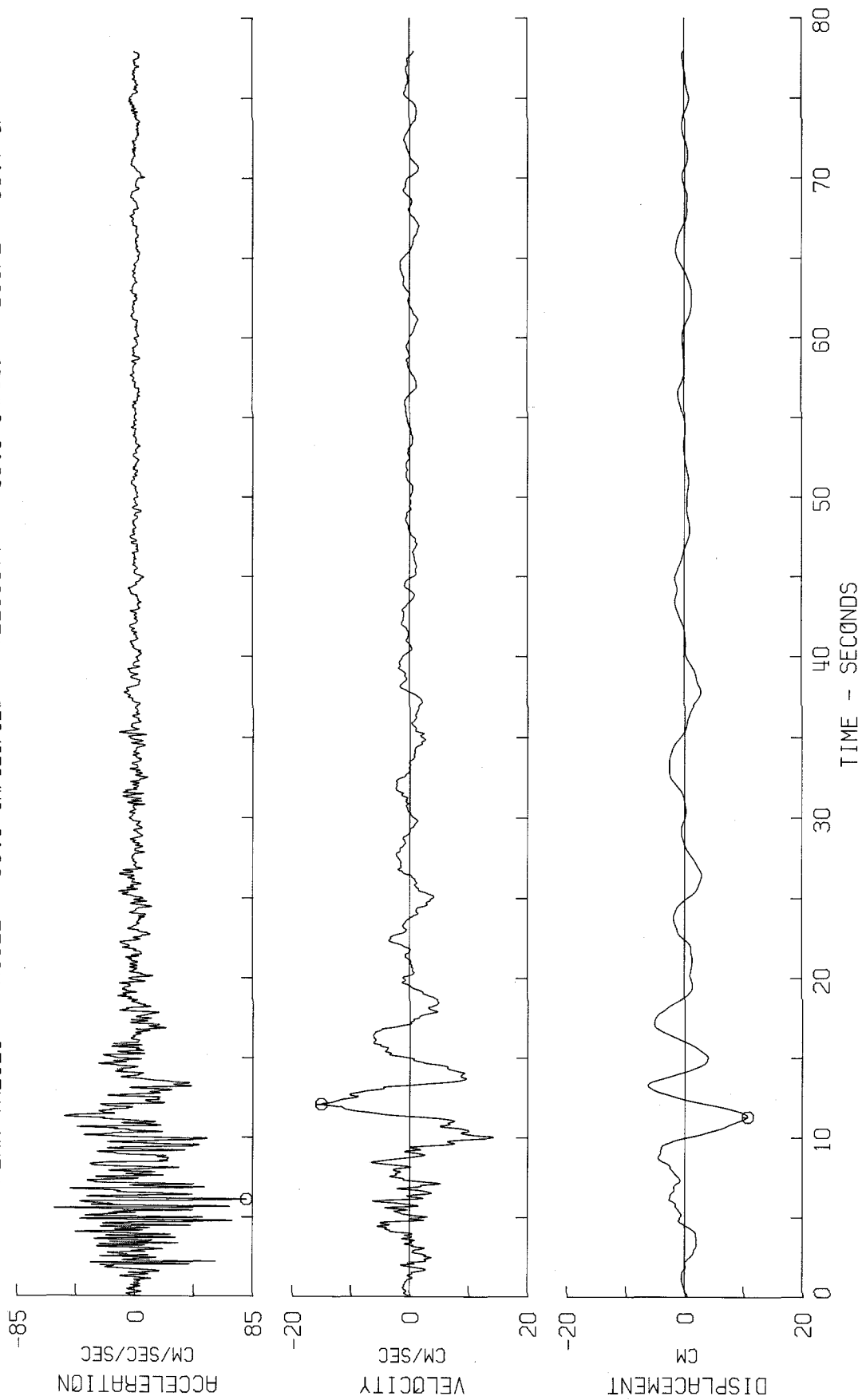
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF086 71.100.0 VERNON, CMD BLDG., CAL. COMP N83W  
○ PEAK VALUES : ACCEL = 104.6 CM/SEC/SEC VELOCITY = 17.4 CM/SEC DISPL = 14.8 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

IIF086 71.100.0 VERNON, CMD BLDG., CAL. COMP S07W

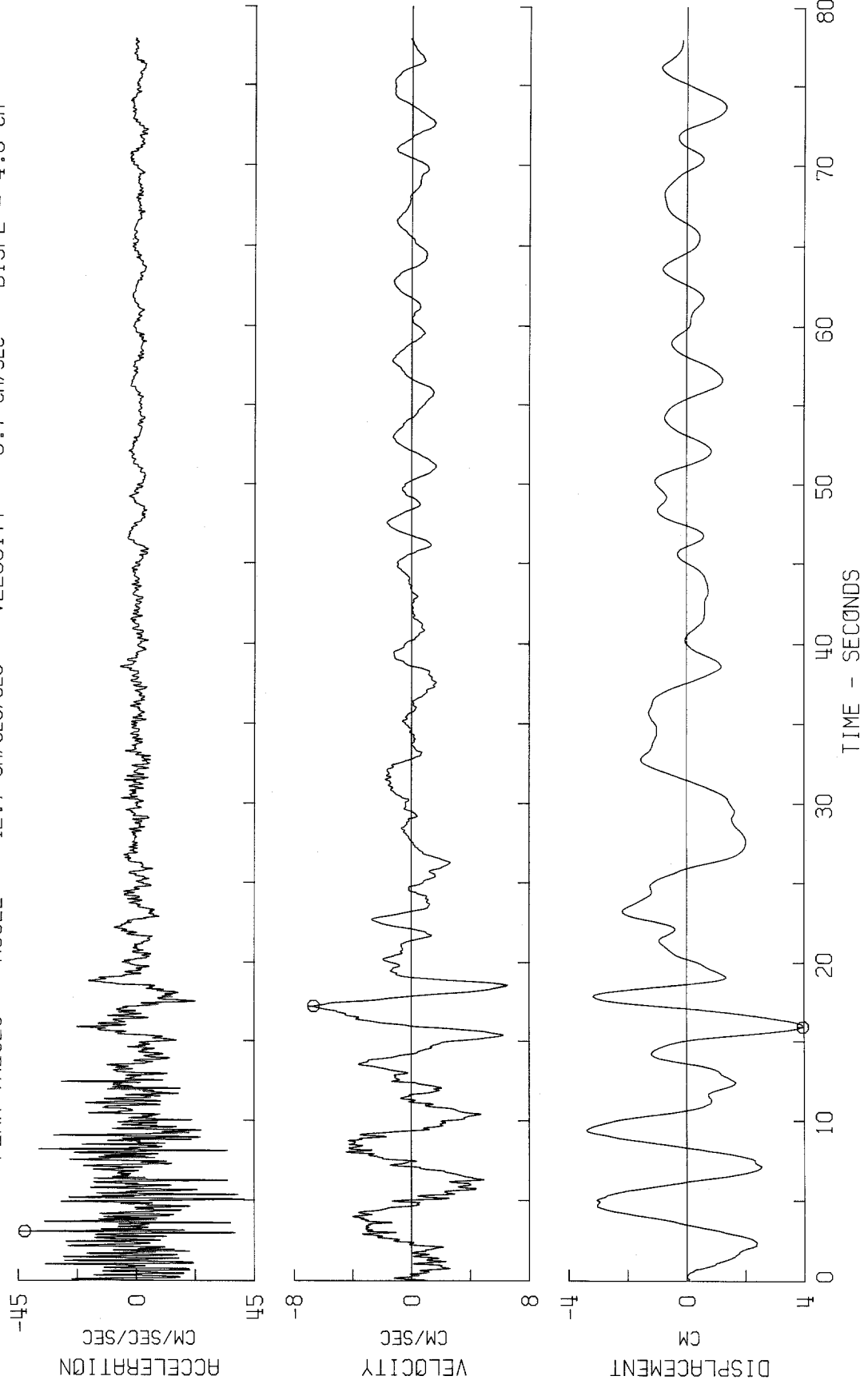
⊙ PEAK VALUES : ACCEL = 80.5 CM/SEC/SEC VELOCITY = -15.1 CM/SEC DISPL = 10.7 CM



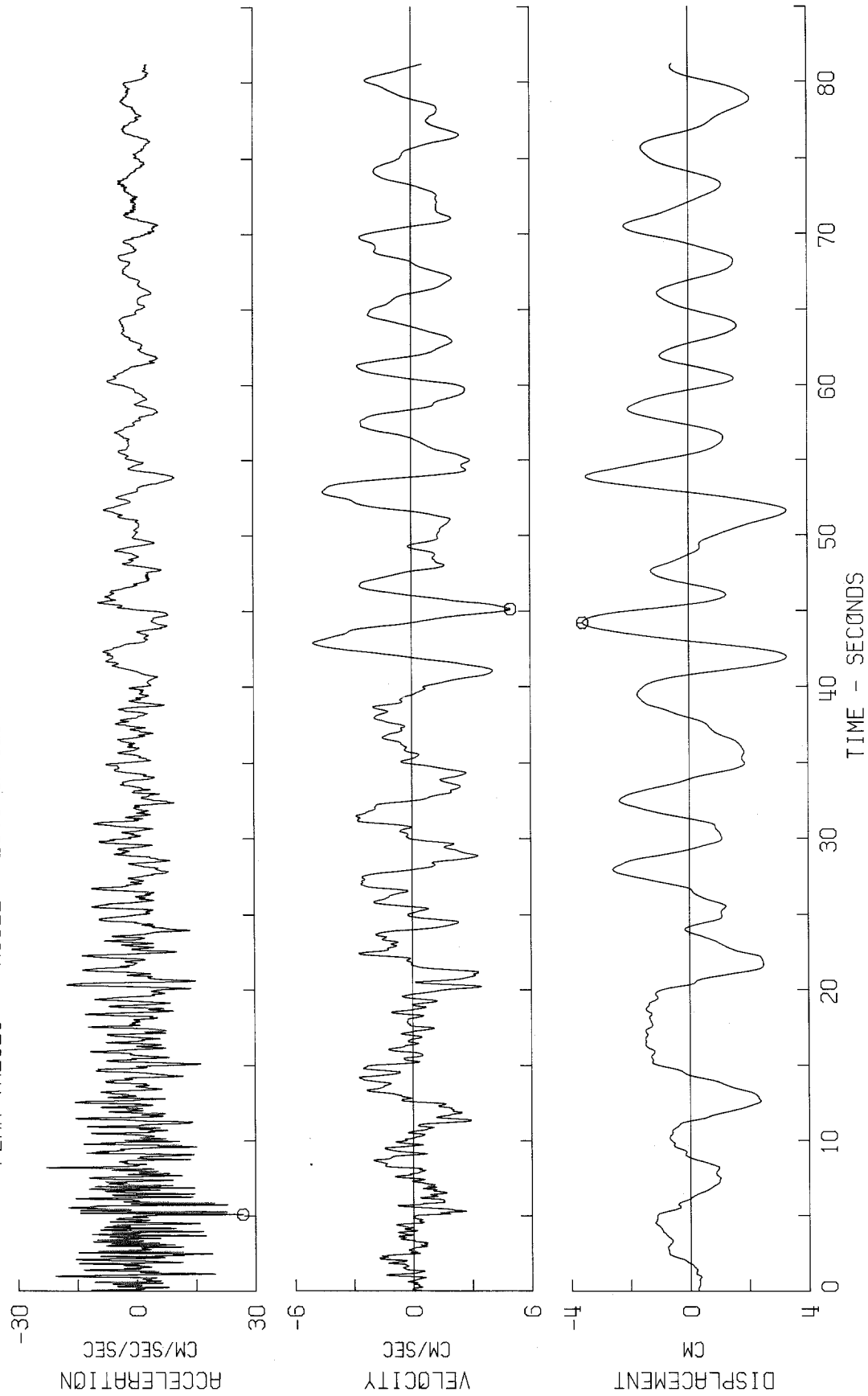
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

11F086 71.100.0 VERNON, CMD BLDG., CAL. COMP UP

PEAK VALUES : ACCEL = -42.7 CM/SEC/SEC VELOCITY = -6.7 CM/SEC DISPL = 4.0 CM

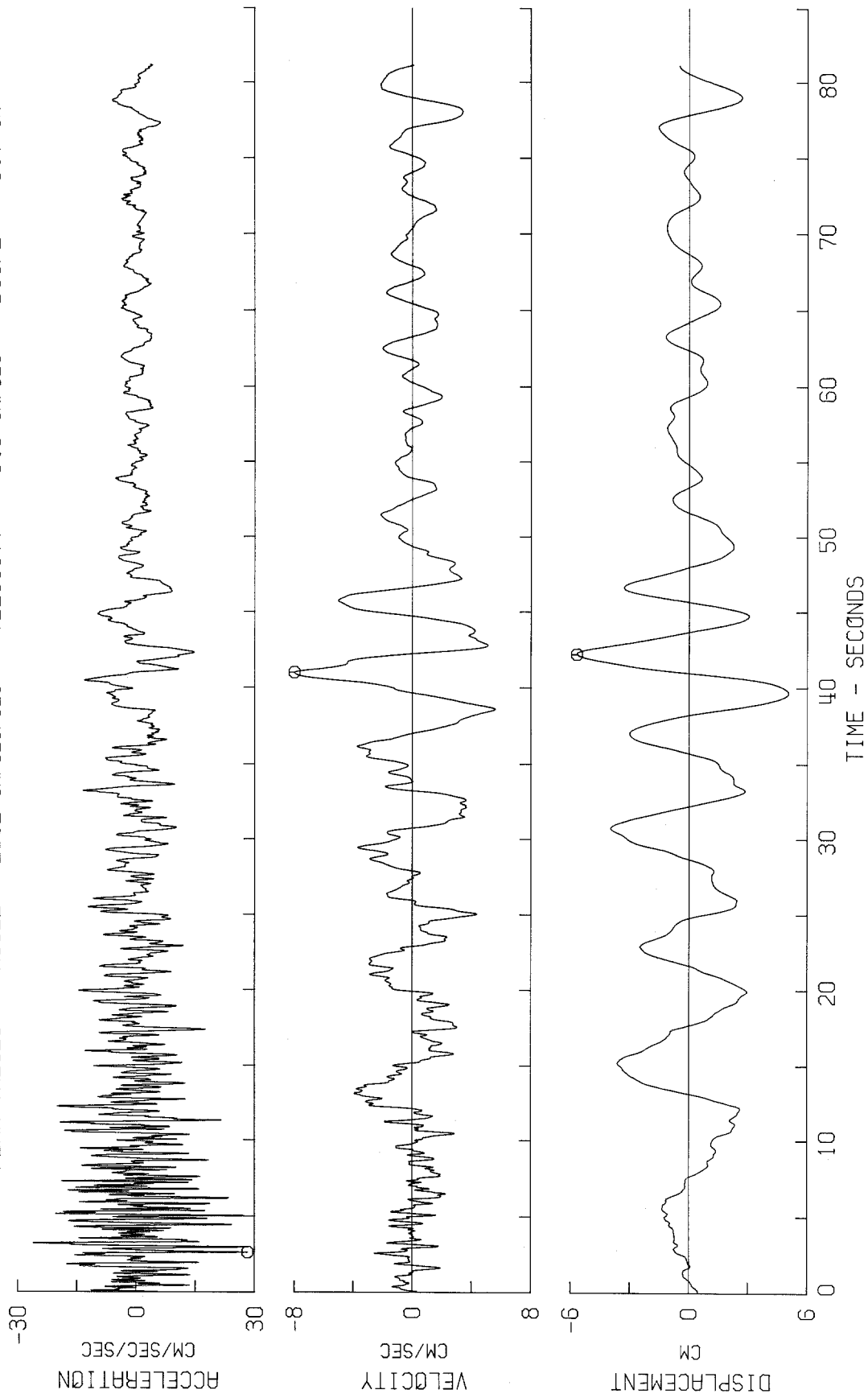


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF087 71.101.0 ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL. COMP 504E  
 O PEAK VALUES : ACCEL = 26.8 CM/SEC/SEC VELOCITY = 5.0 CM/SEC DISPL = -3.6 CM

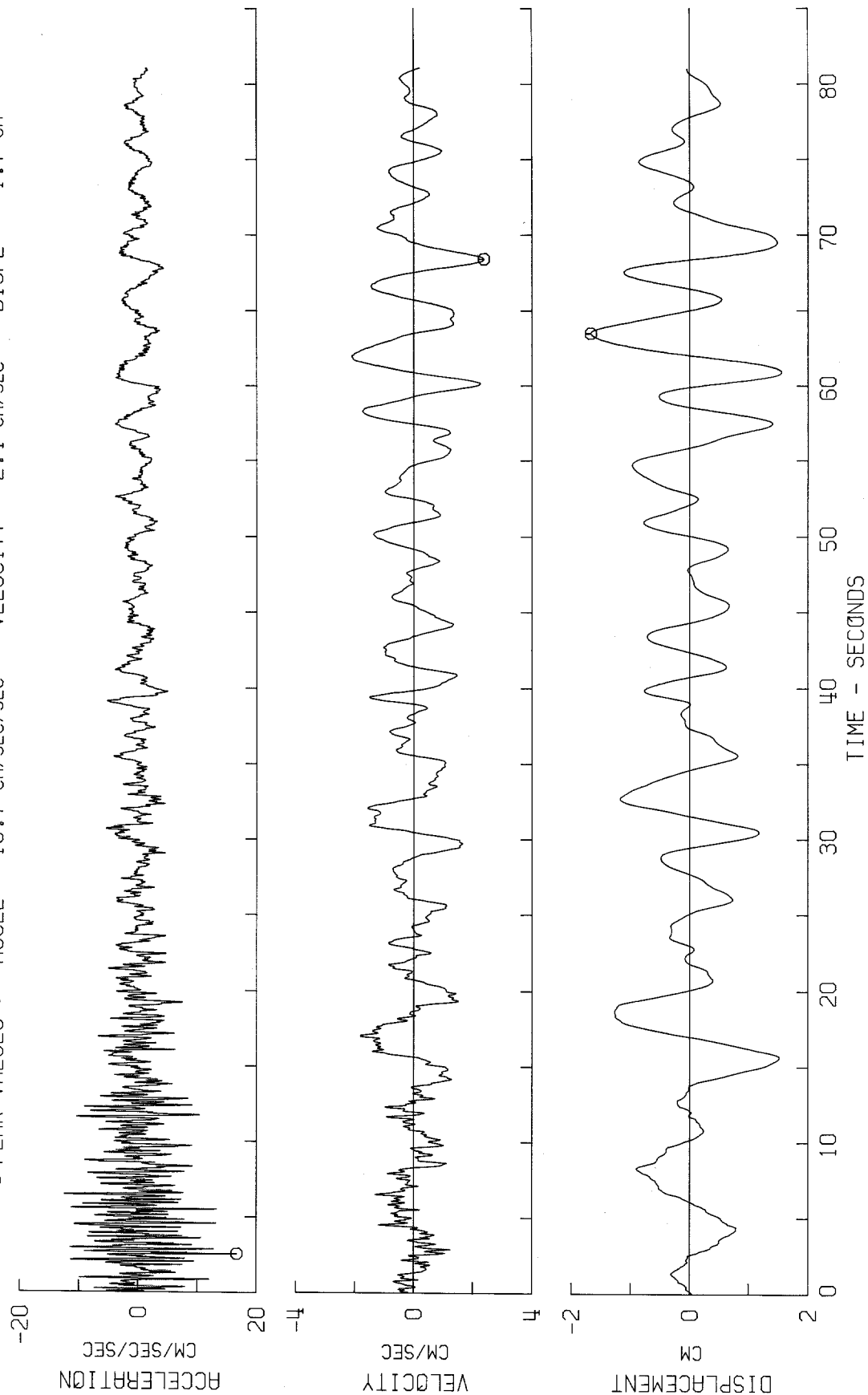




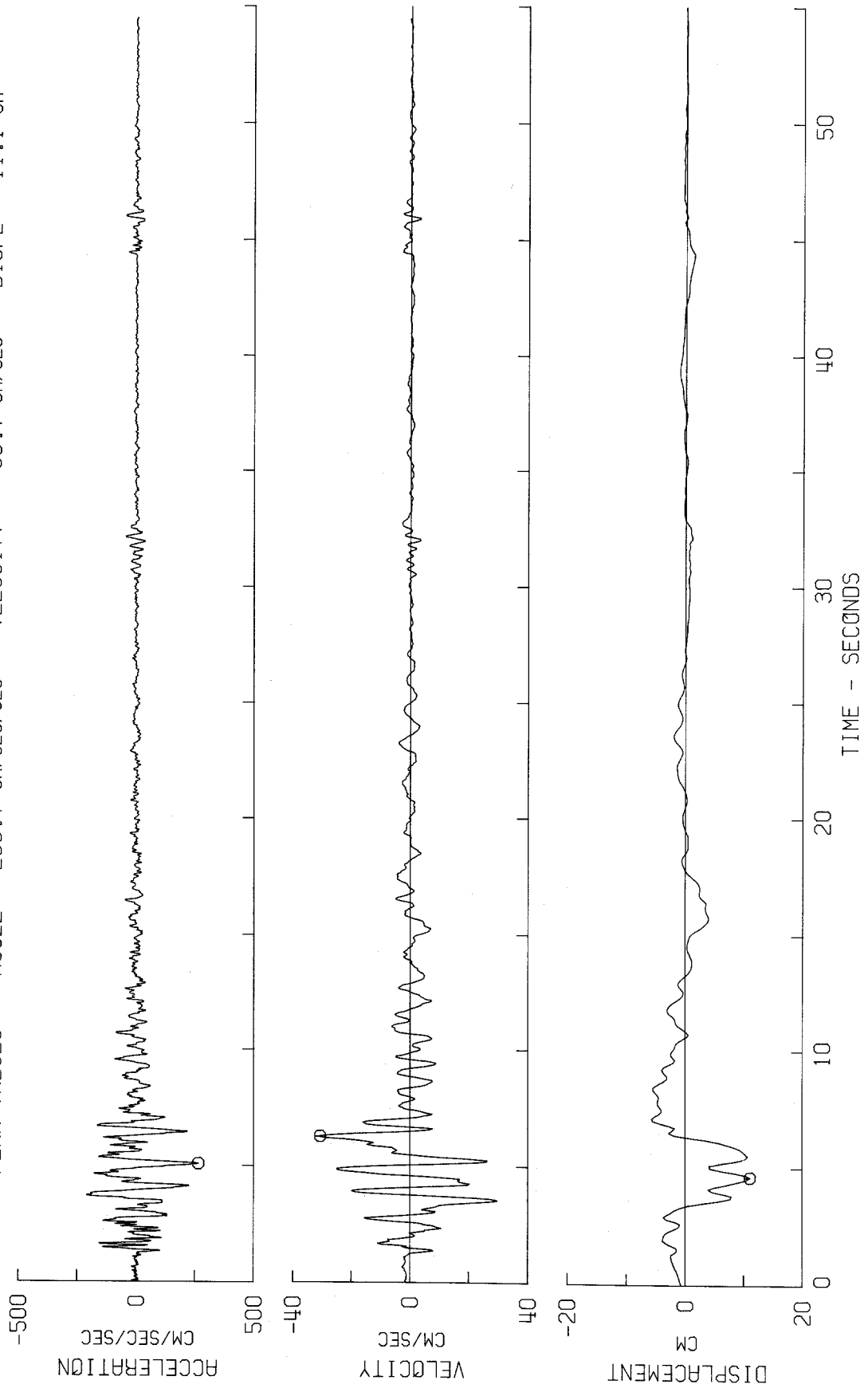
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IIF087 71.101.0 ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL. COMP S86W  
PEAK VALUES : ACCEL = 28.2 CM/SEC/SEC VELOCITY = -8.0 CM/SEC DISPL = -5.7 CM



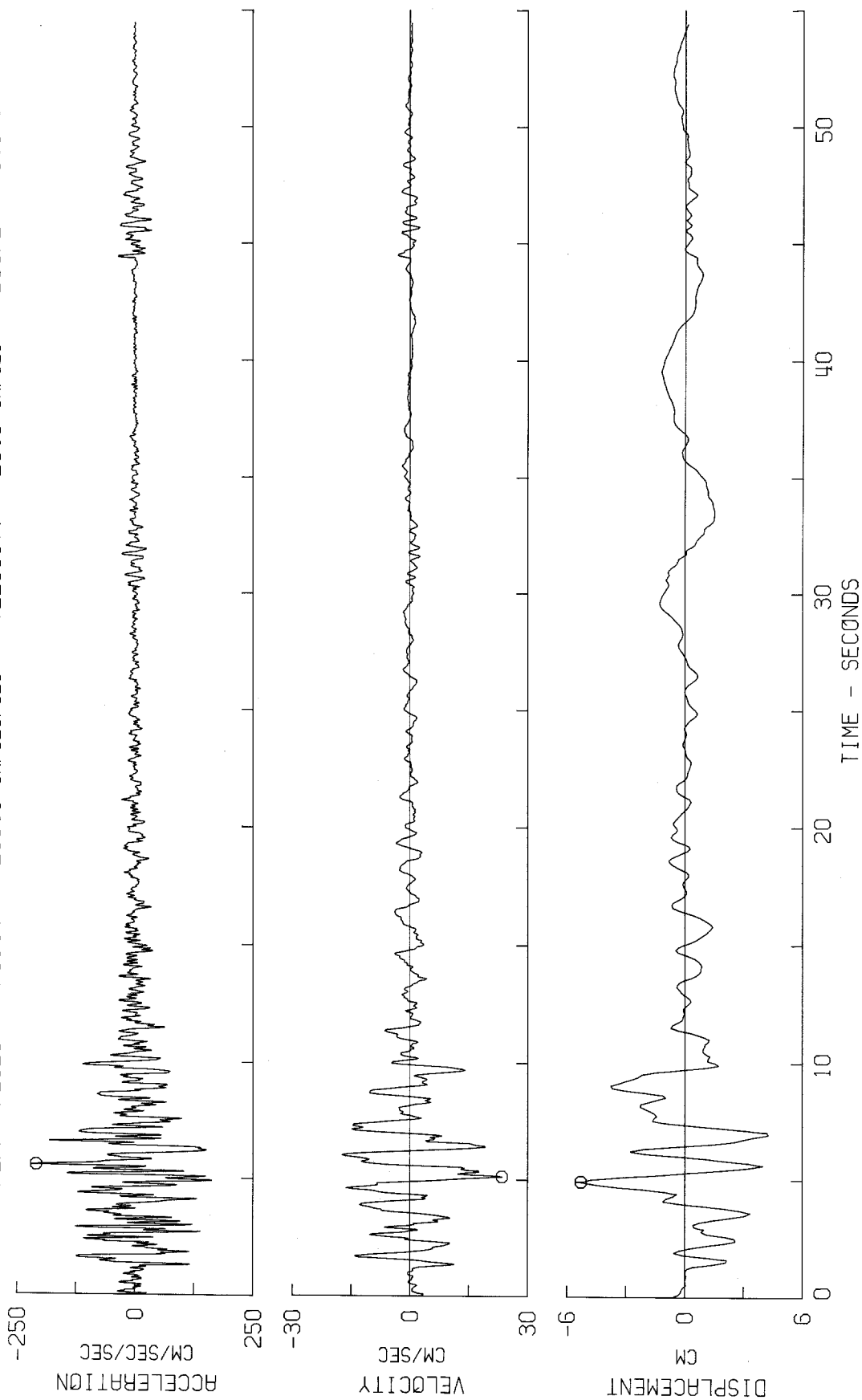
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF087 71.101.0 ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL. COMP UP  
 ◊ PEAK VALUES : ACCEL = 16.7 CM/SEC/SEC VELOCITY = 2.4 CM/SEC DISPL = -1.7 CM



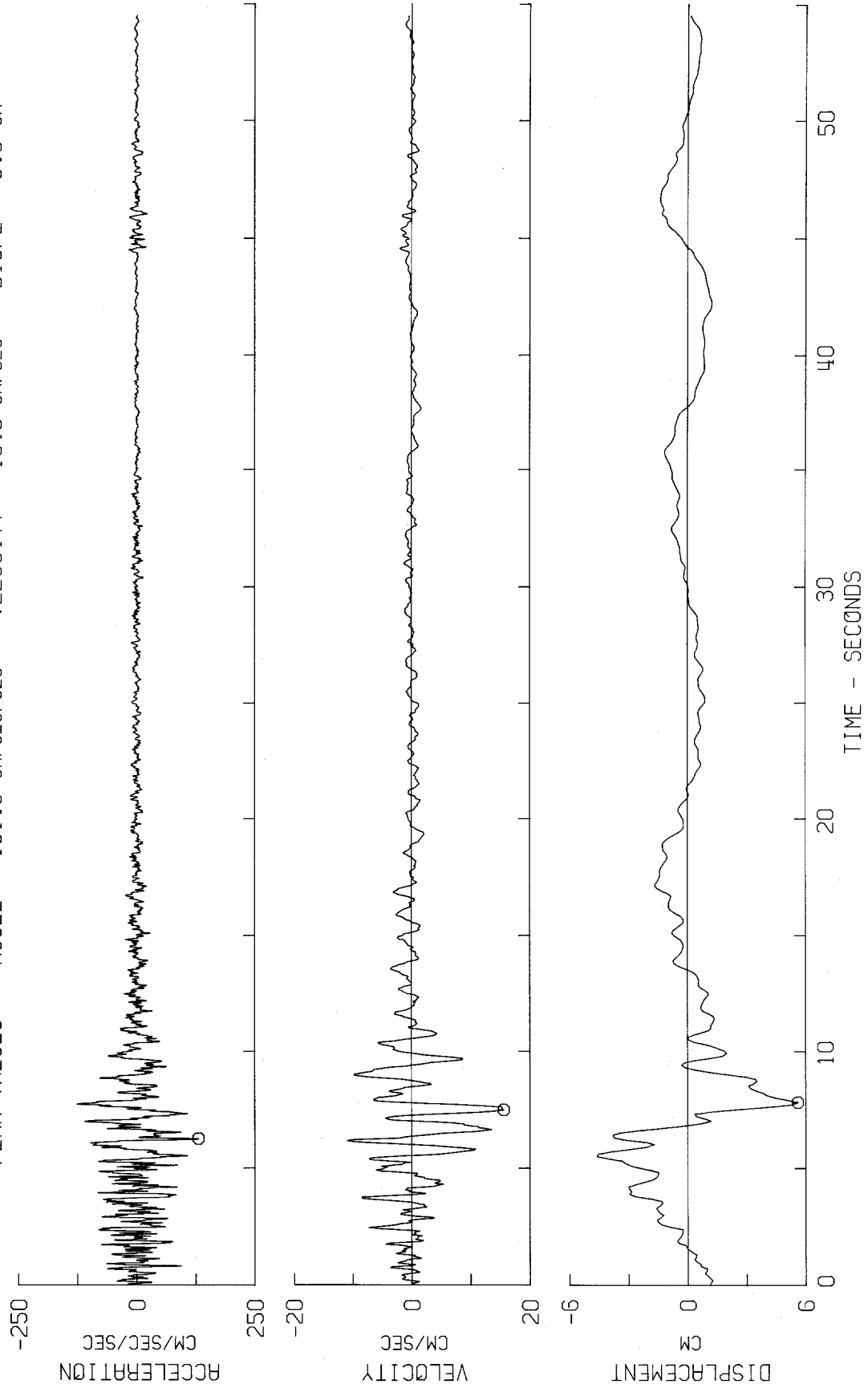
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF088 71.102.0 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL. COMP S70E  
 ○ PEAK VALUES : ACCEL = 265.7 CM/SEC/SEC VELOCITY = -30.7 CM/SEC DISPL = 11.1 CM



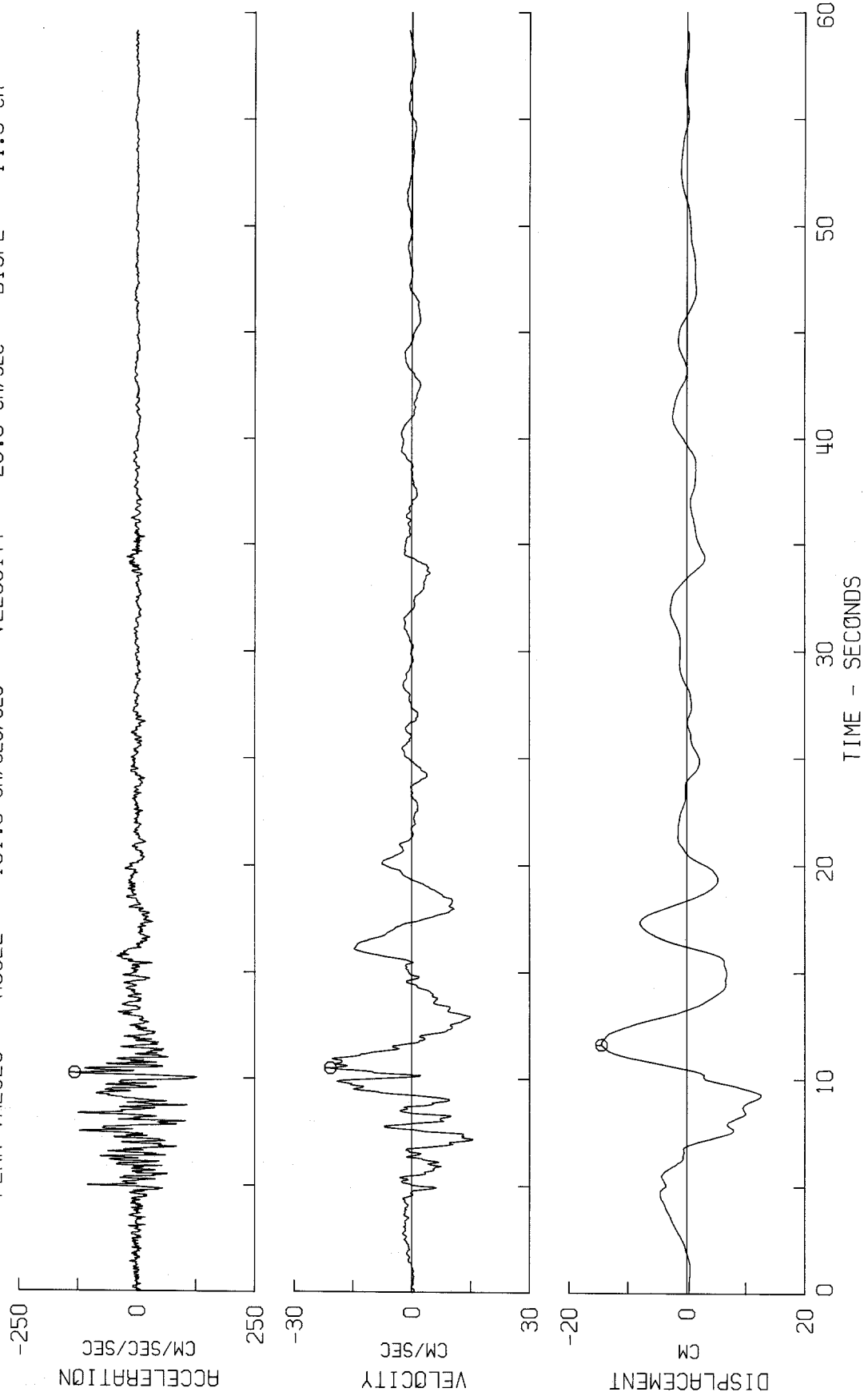
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF088 71.102.0 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL. COMP S20W  
 ○ PEAK VALUES : ACCEL = -209.1 CM/SEC/SEC VELOCITY = 23.5 CM/SEC DISPL = -5.3 CM



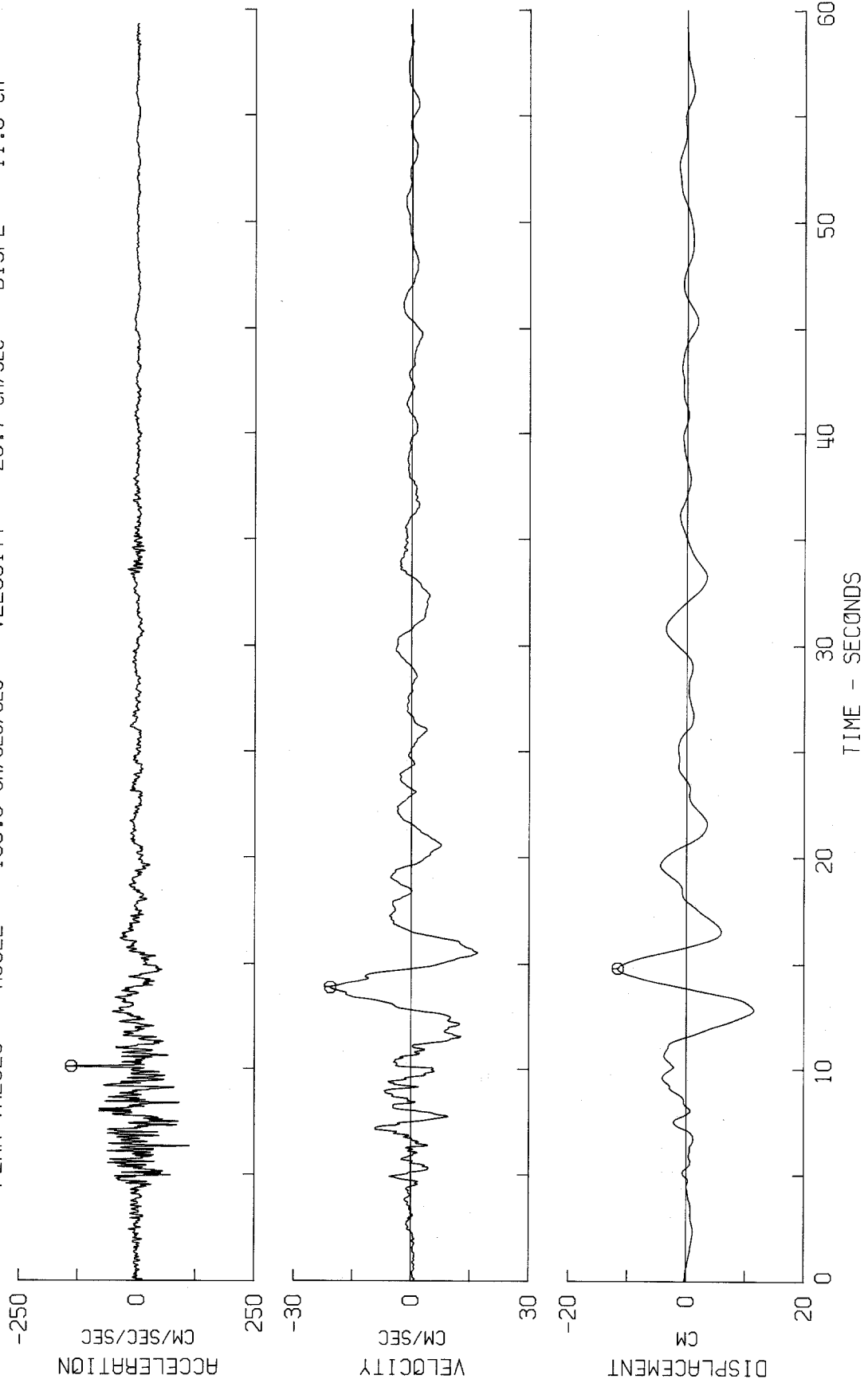
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF088 71.102.0 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = 131.5 CM/SEC/SEC VELOCITY = 15.6 CM/SEC DISPL = 5.6 CM



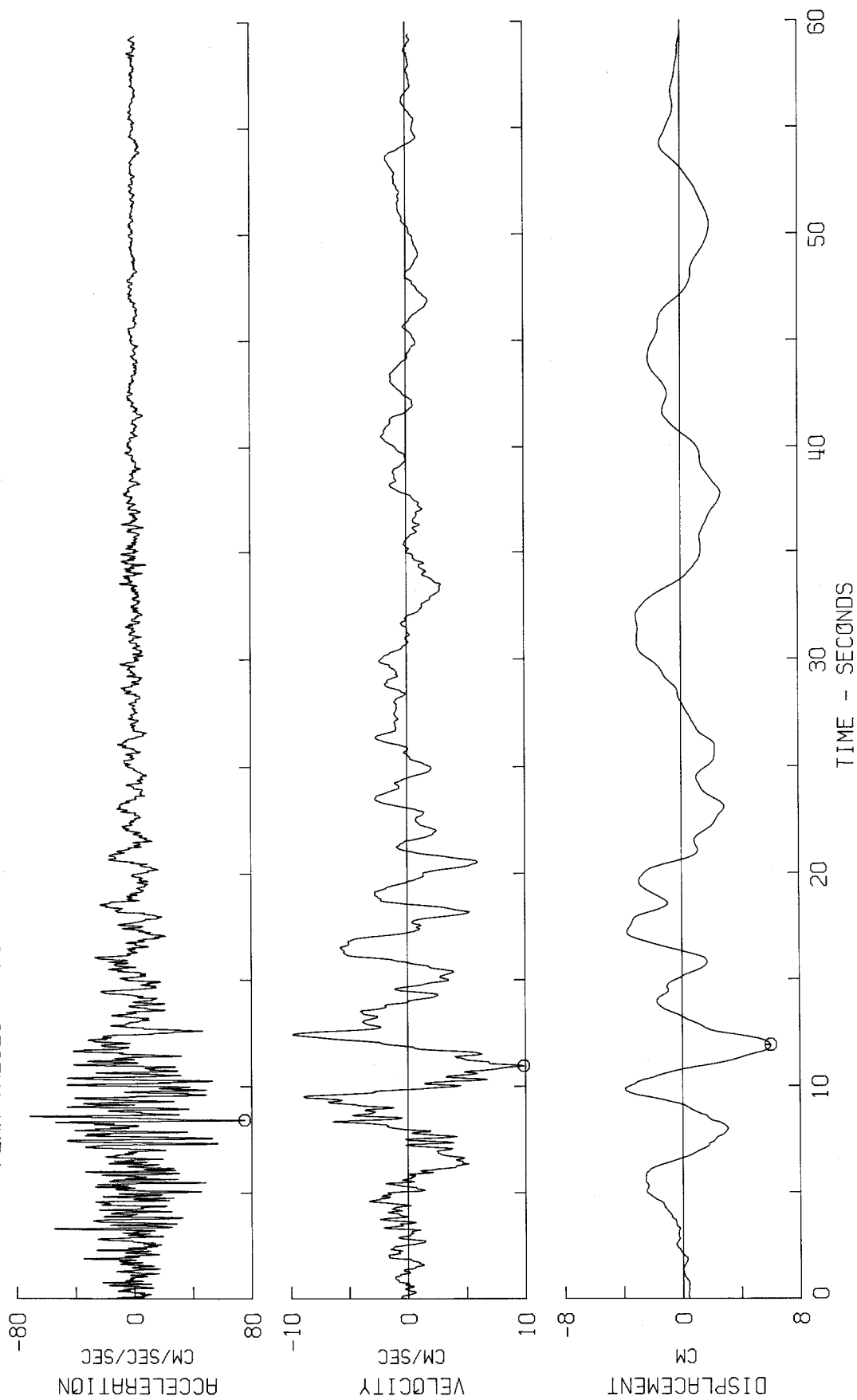
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF089 71.247.0 808 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL. COMP S53E  
PEAK VALUES : ACCEL = -131.9 CM/SEC/SEC VELOCITY = -20.8 CM/SEC DISPL = -14.5 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF089 71.247.0 808 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL. COMP S37W  
PEAK VALUES : ACCEL = -139.0 CM/SEC/SEC VELOCITY = -20.7 CM/SEC DISPL = -11.6 CM

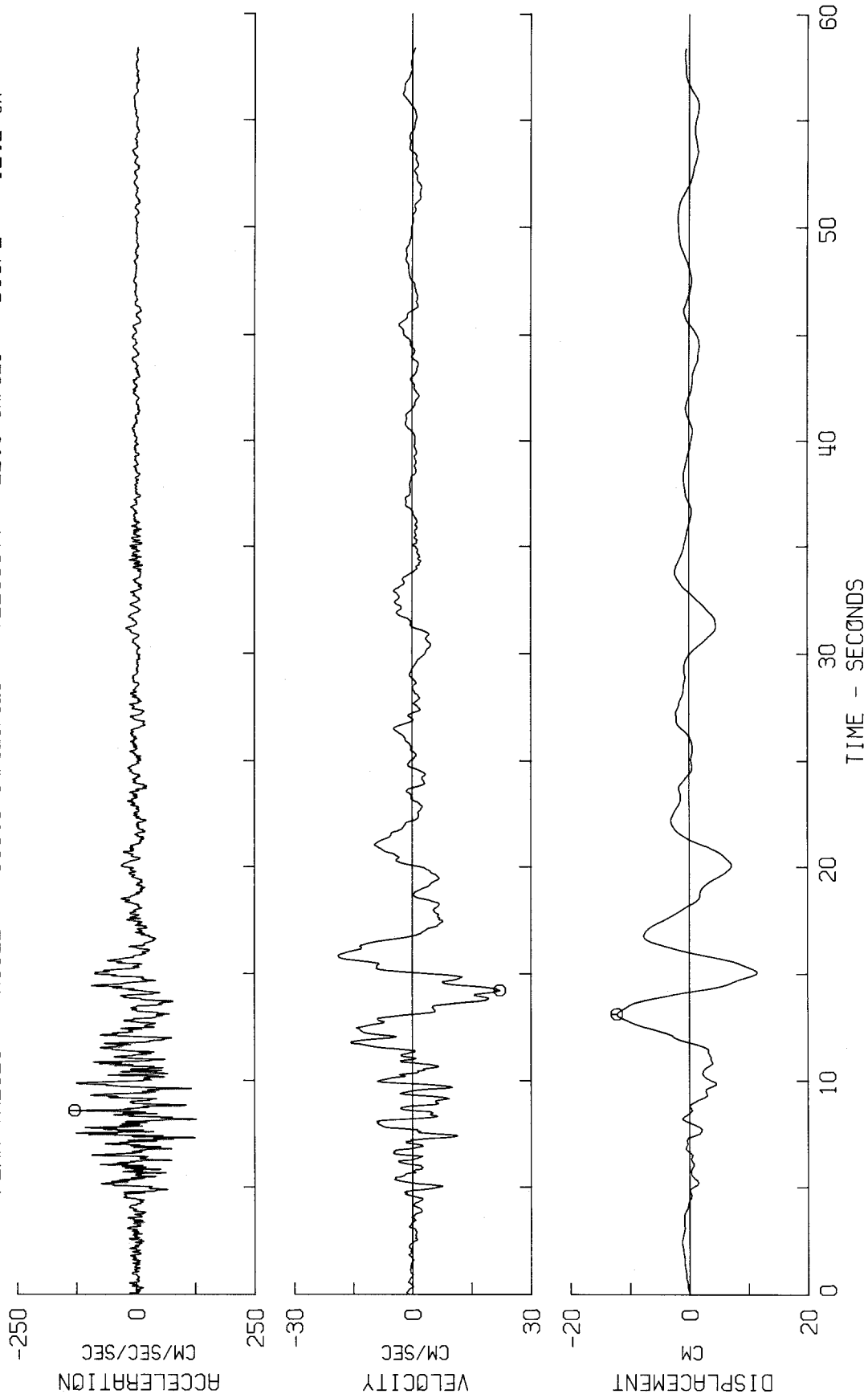


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF089 71.247.0 808 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL. COMP DOWN  
 O PEAK VALUES : ACCEL = 75.3 CM/SEC/SEC VELOCITY = 9.9 CM/SEC DISPL = 6.0 CM

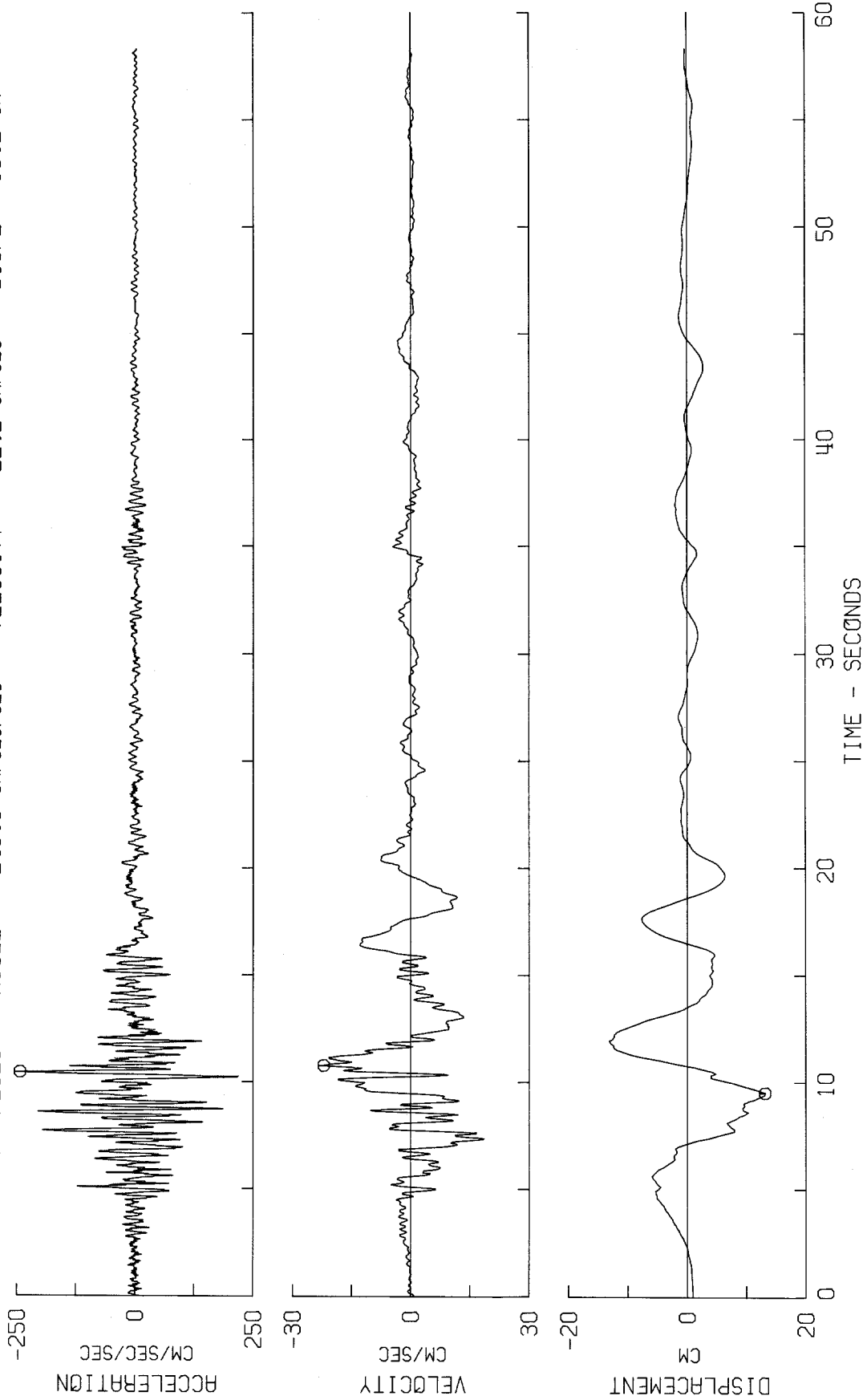




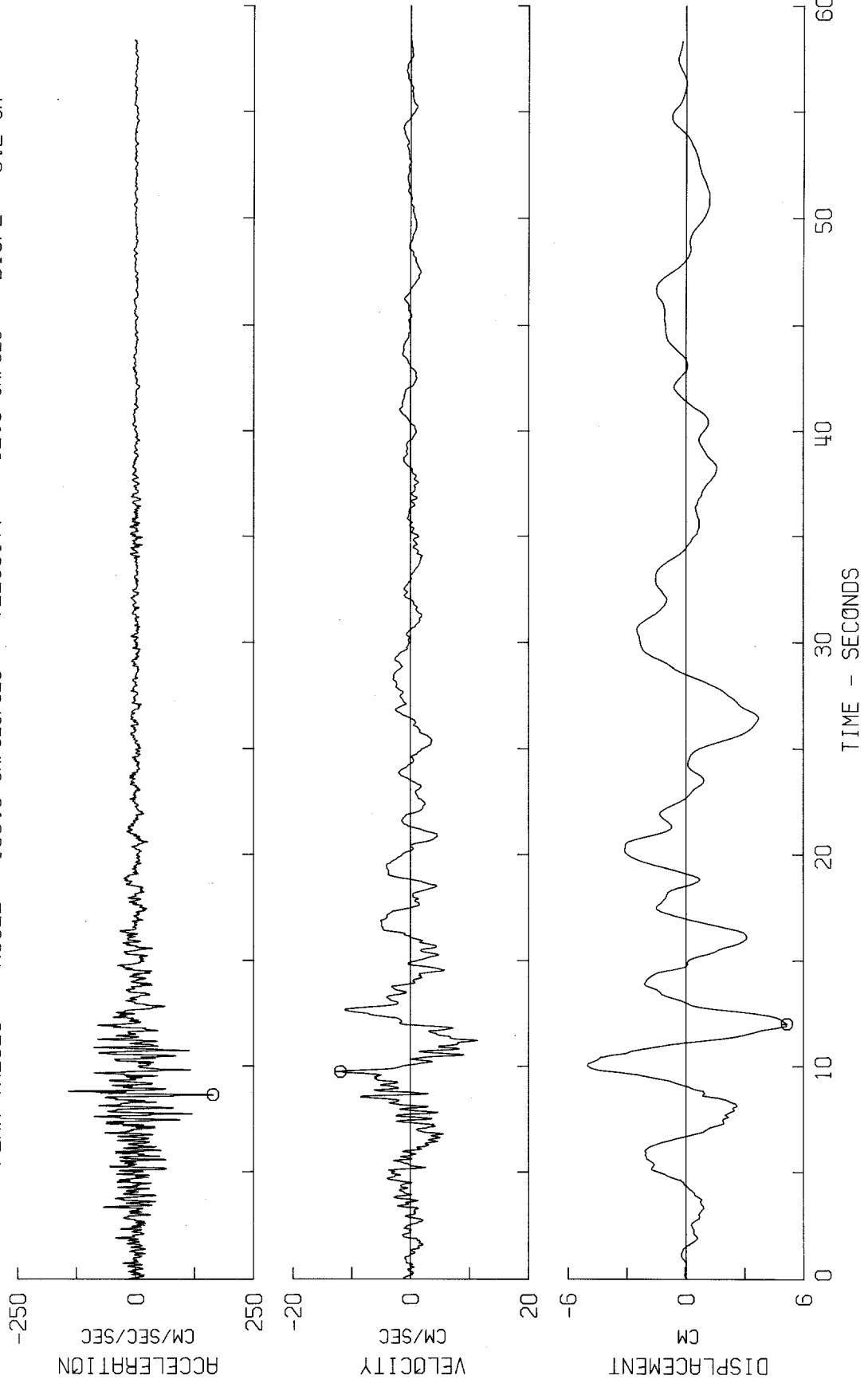
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF090 71.103.0 808 SOUTH OLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL. COMP N37E  
 O PEAK VALUES : ACCEL = -130.0 CM/SEC/SEC VELOCITY = 22.1 CM/SEC DISPL = -12.2 CM



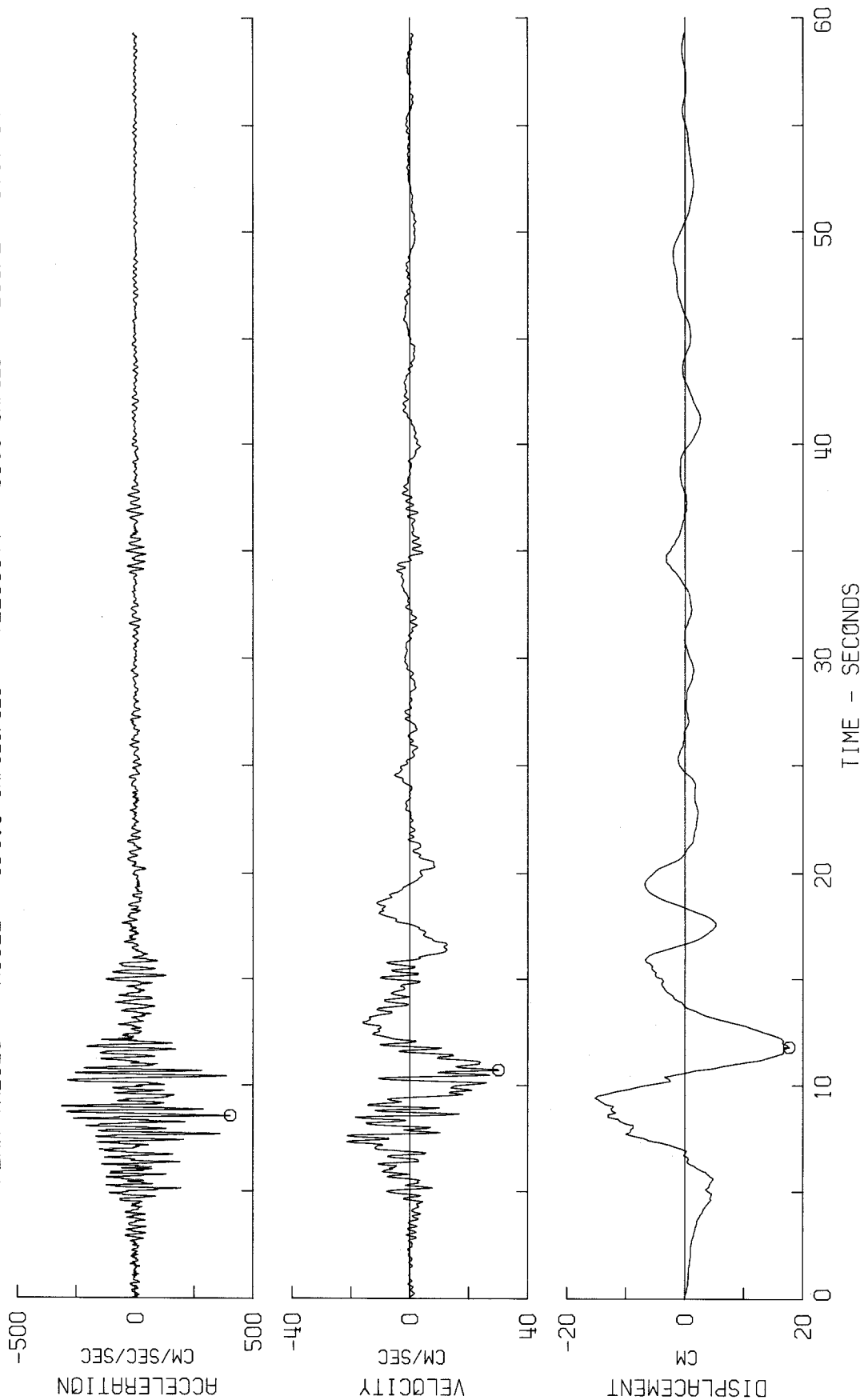
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF090 71.103.0 808 SOUTH OLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL. COMP S53E  
PEAK VALUES : ACCEL = -243.9 CM/SEC/SEC VELOCITY = -22.2 CM/SEC DISPL = 13.2 CM



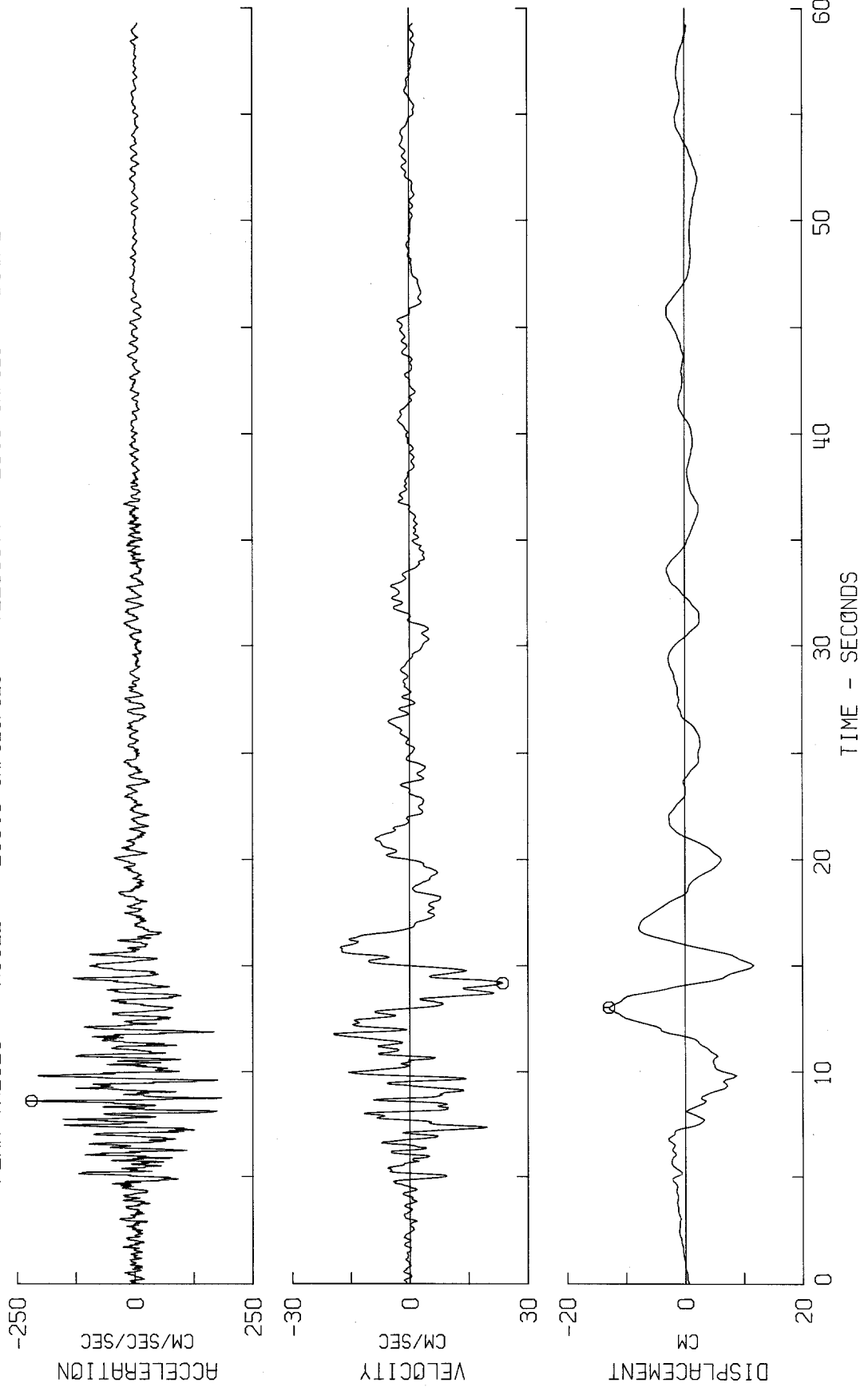
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF090 71.103.0 808 SOUTH OLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL. COMP DOWN  
⊙ PEAK VALUES : ACCEL = 163.9 CM/SEC/SEC VELOCITY = -12.0 CM/SEC DISPL = 5.2 CM



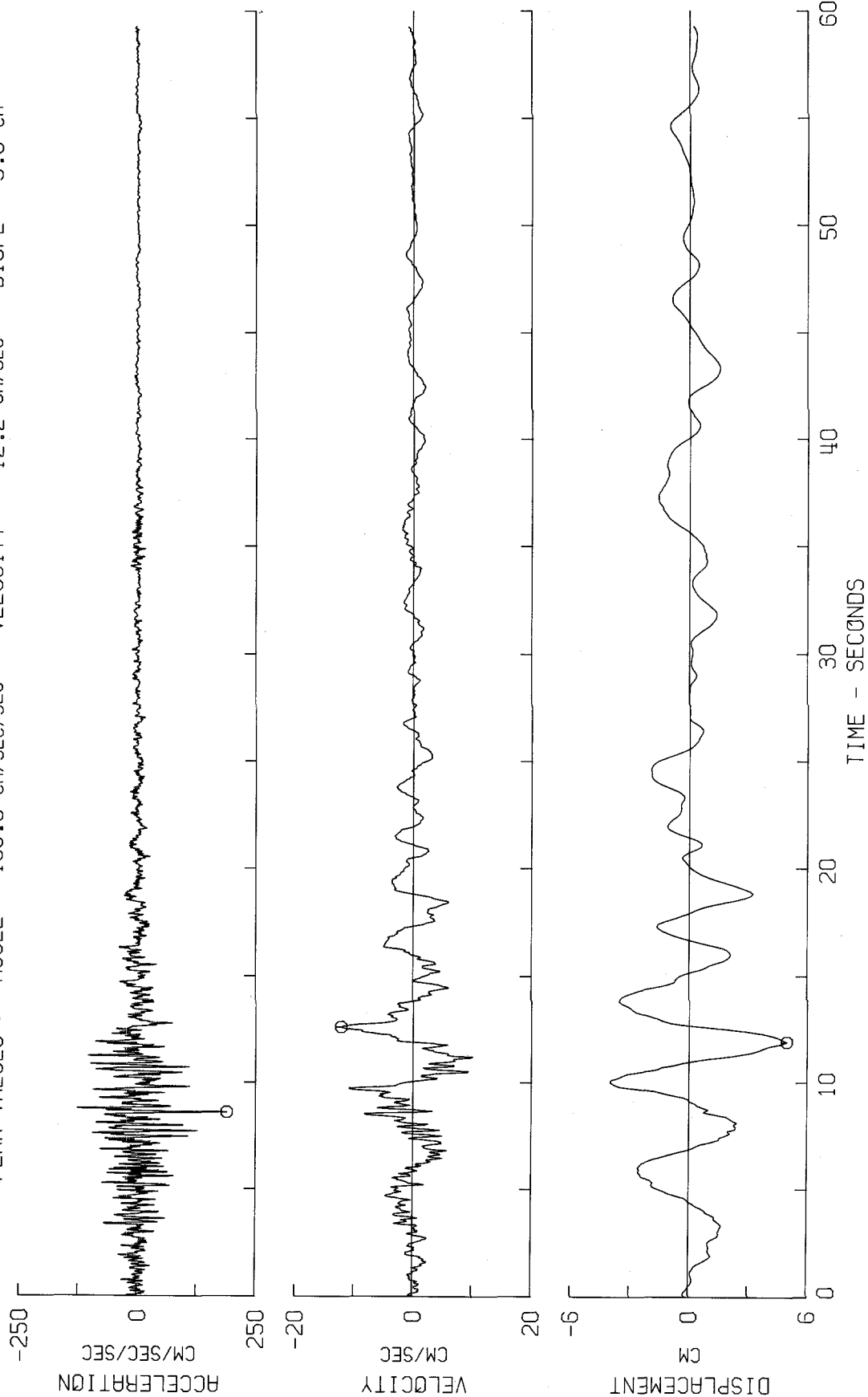
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF091 71.104.0 808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL. COMP S53E  
 @ PEAK VALUES : ACCEL = 404.0 CM/SEC/SEC VELOCITY = 30.1 CM/SEC DISPL = 17.7 CM



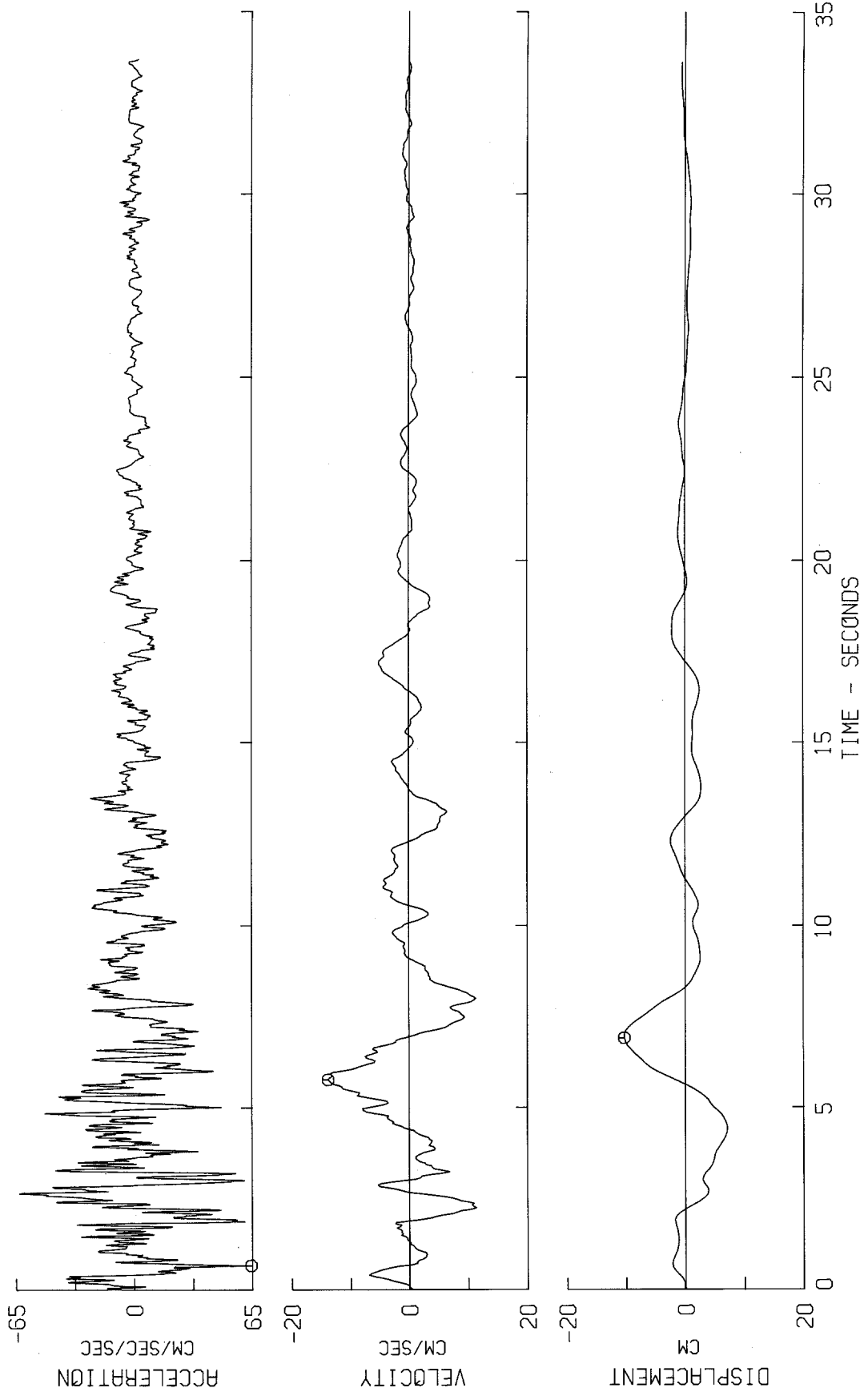
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF091 71.104.0 808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL. COMP S37W  
PEAK VALUES: ACCEL = -219.6 CM/SEC/SEC VELOCITY = 23.6 CM/SEC DISPL = -12.9 CM



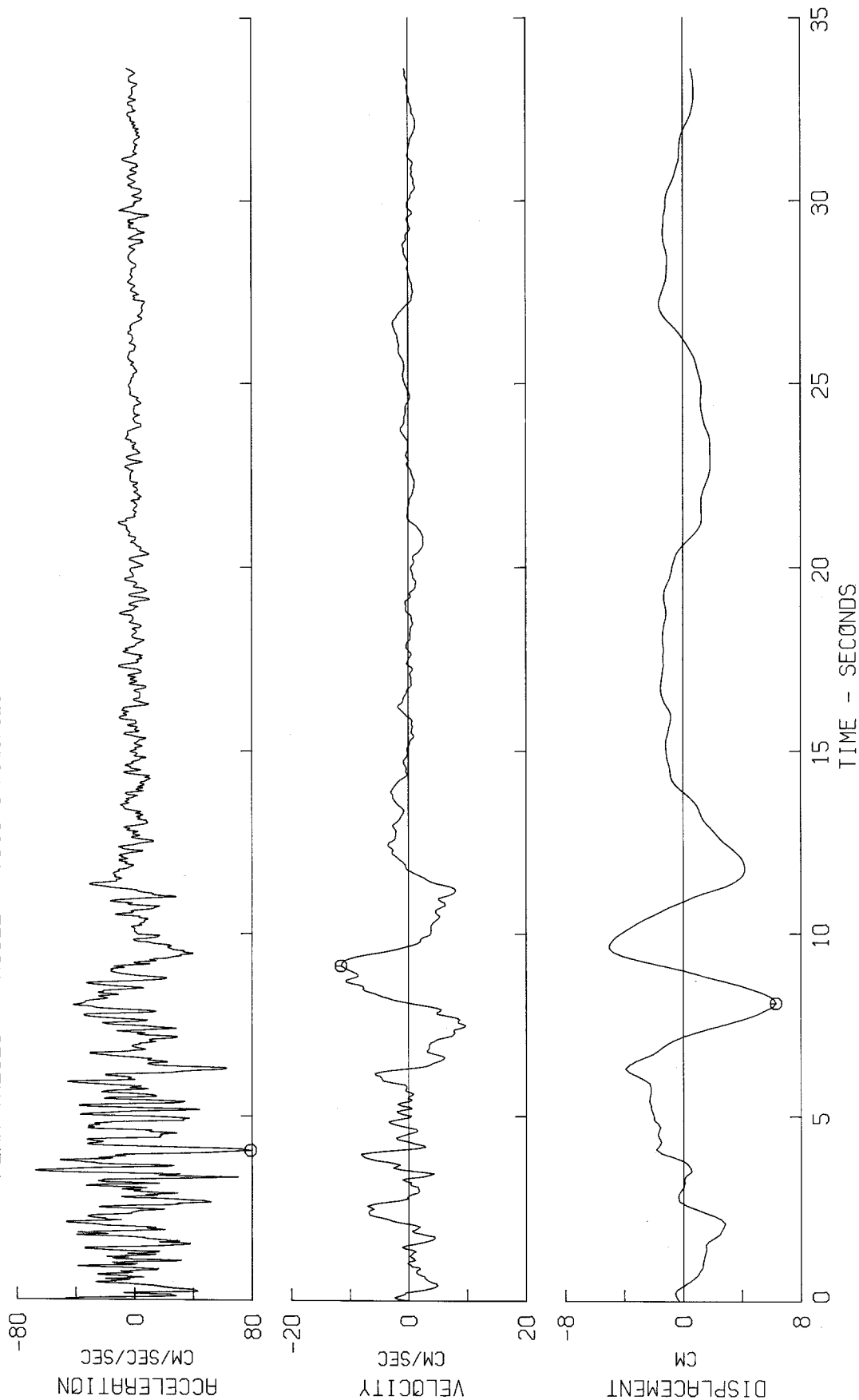
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF091 71.104.0 808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = 189.5 CM/SEC/SEC VELOCITY = -12.2 CM/SEC DISPL = 5.0 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF092 71.105.0 2011 ZONAL AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S62E  
PEAK VALUES : ACCEL = 64.2 CM/SEC/SEC VELOCITY = -13.8 CM/SEC DISPL = -10.3 CM

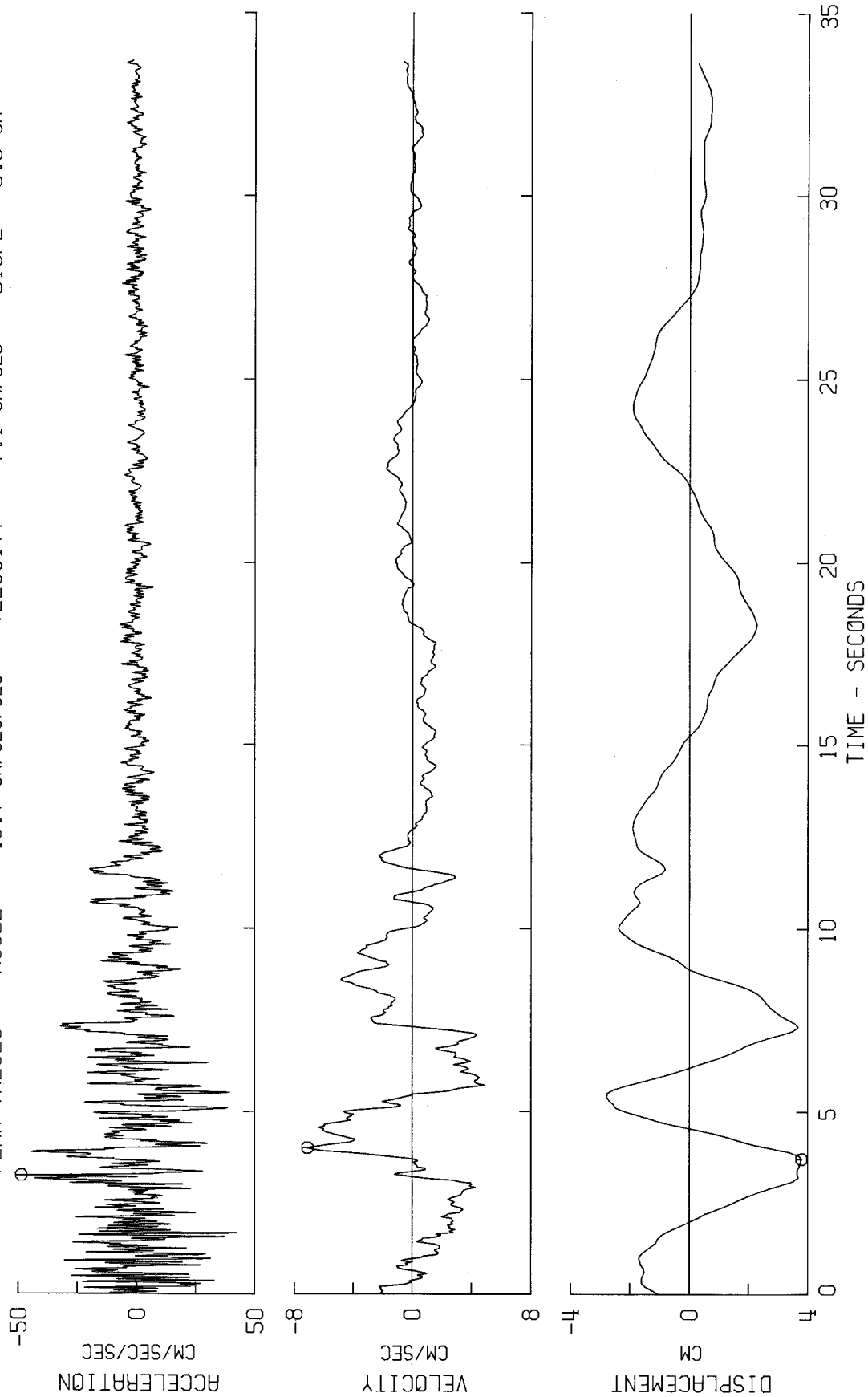


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF092 71.105.0 2011 ZONAL AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S28W  
 ○ PEAK VALUES : ACCEL = 79.1 CM/SEC/SEC VELOCITY = -11.5 CM/SEC DISPL = 6.3 CM

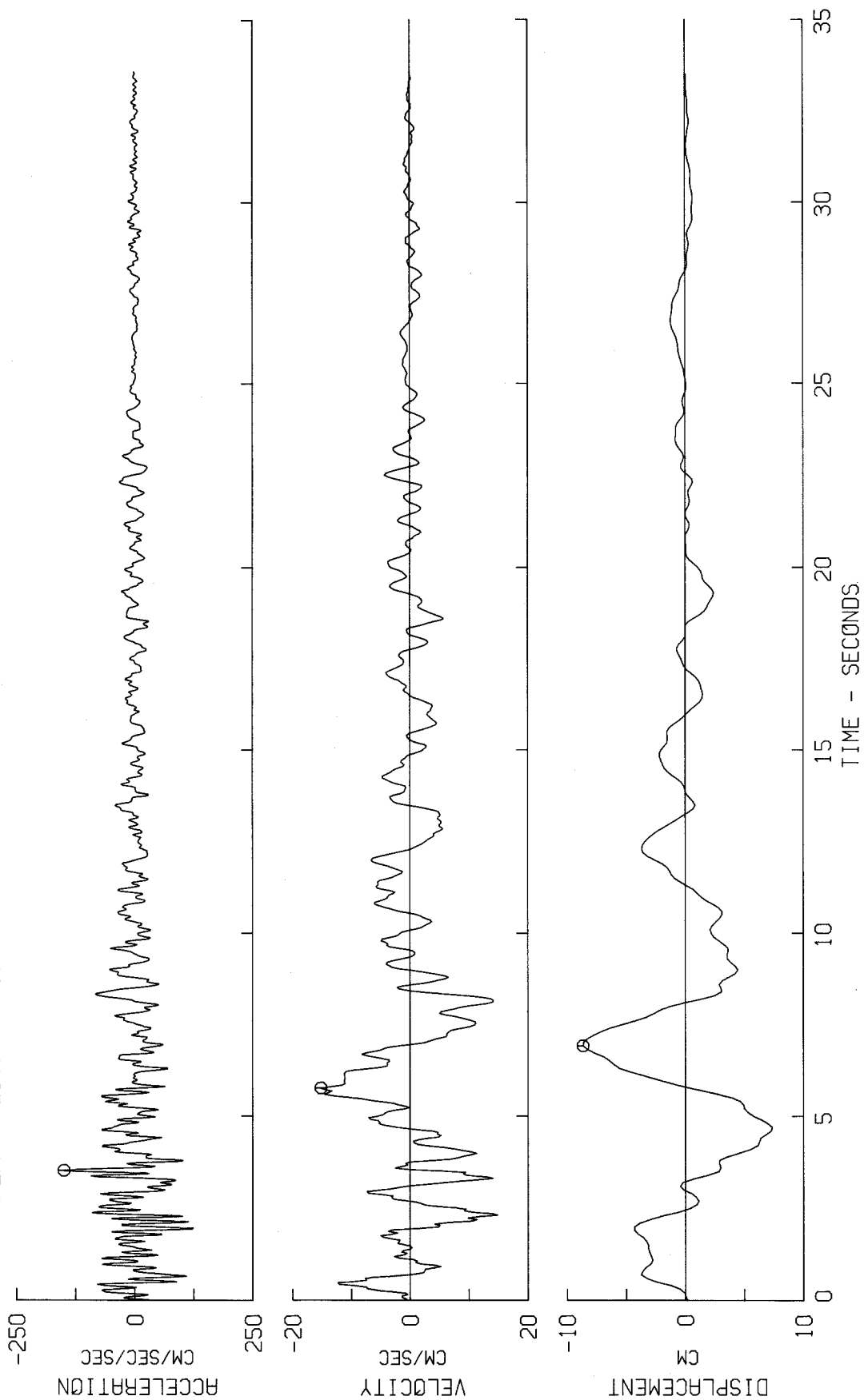




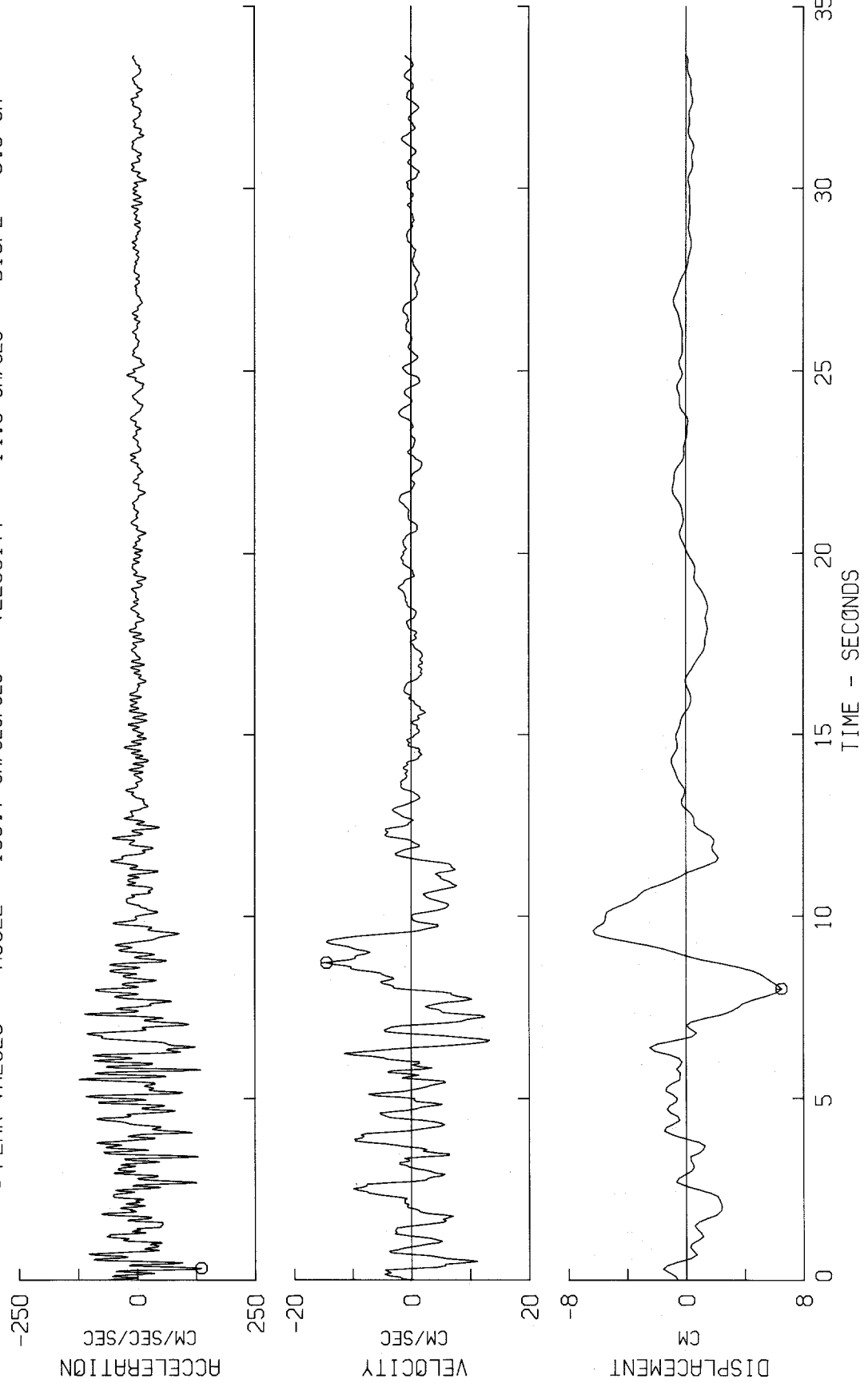
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF092 71.105.0 2011 ZONAL AVENUE, BASEMENT, LOS ANGELES, CAL. COMP DOWN  
 PEAK VALUES : ACCEL = -48.7 CM/SEC/SEC VELOCITY = -7.1 CM/SEC DISPL = 3.8 CM



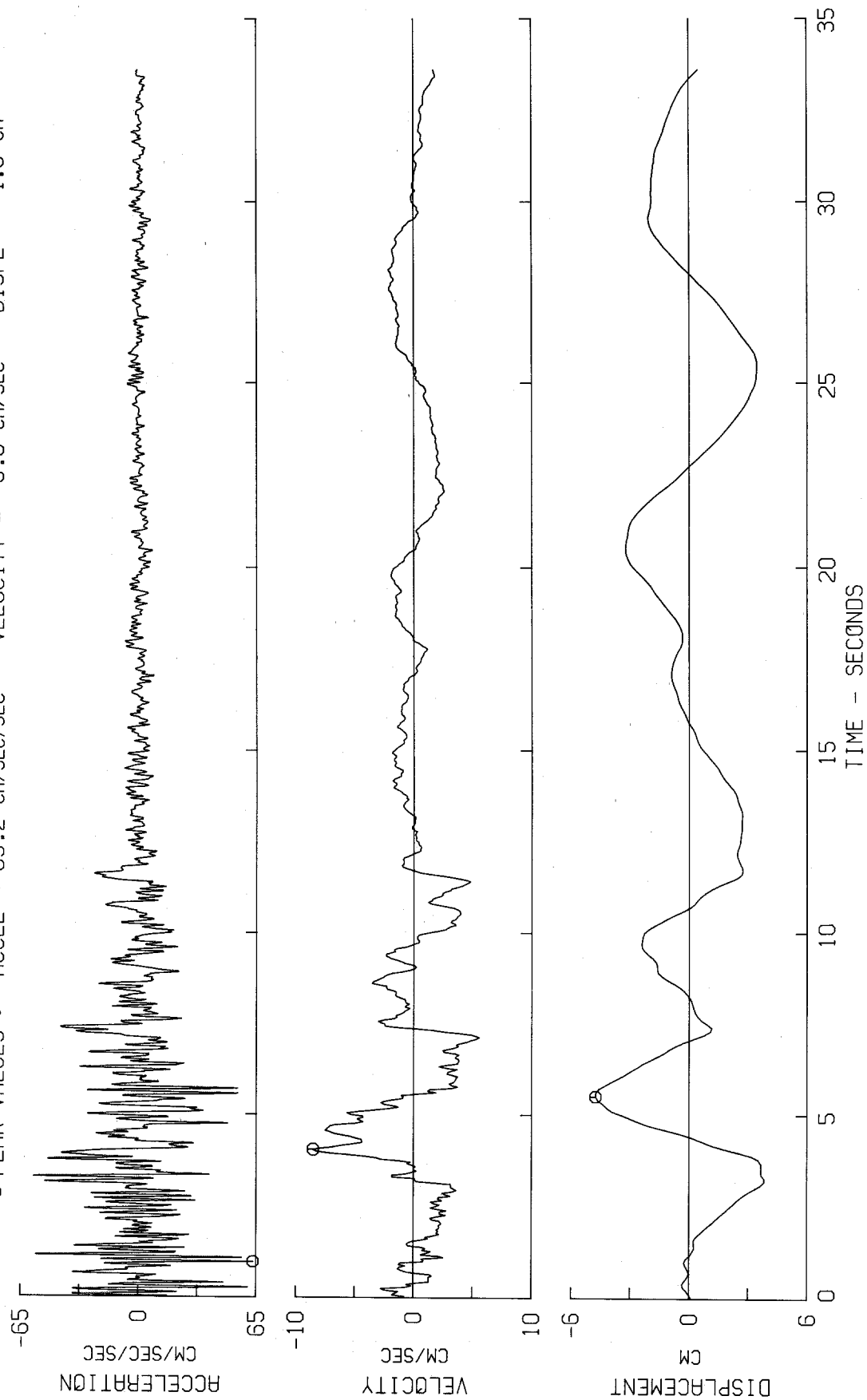
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF093 71.106.0 2011 ZONAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL. COMP S62E  
 PEAK VALUES : ACCEL = -150.1 CM/SEC/SEC VELOCITY = -15.1 CM/SEC DISPL = -8.6 CM



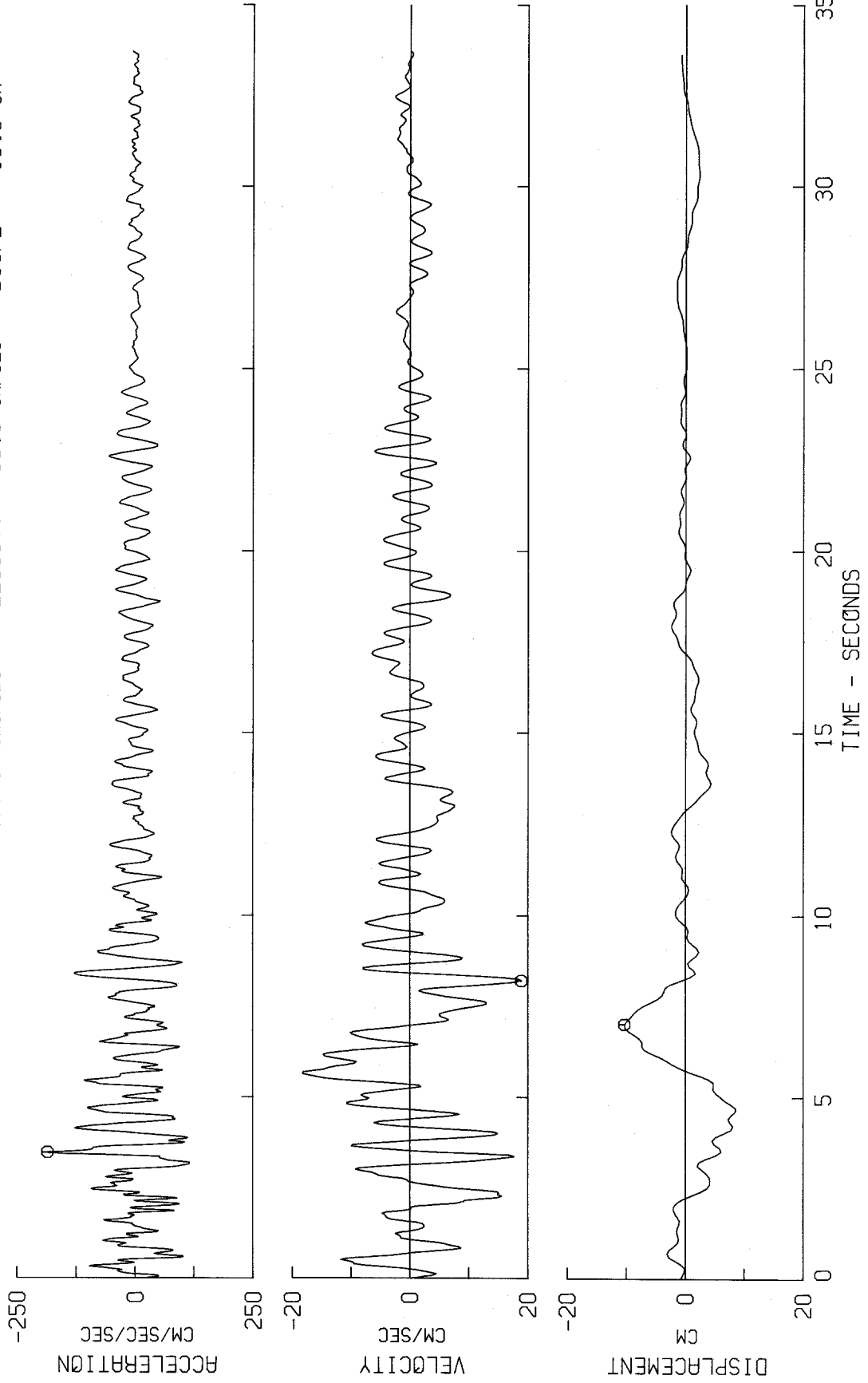
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF093 71.106.0 2011 ZONAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL. COMP S28W  
o PEAK VALUES : ACCEL = 135.7 CM/SEC/SEC VELOCITY = -14.5 CM/SEC DISPL = 6.5 CM



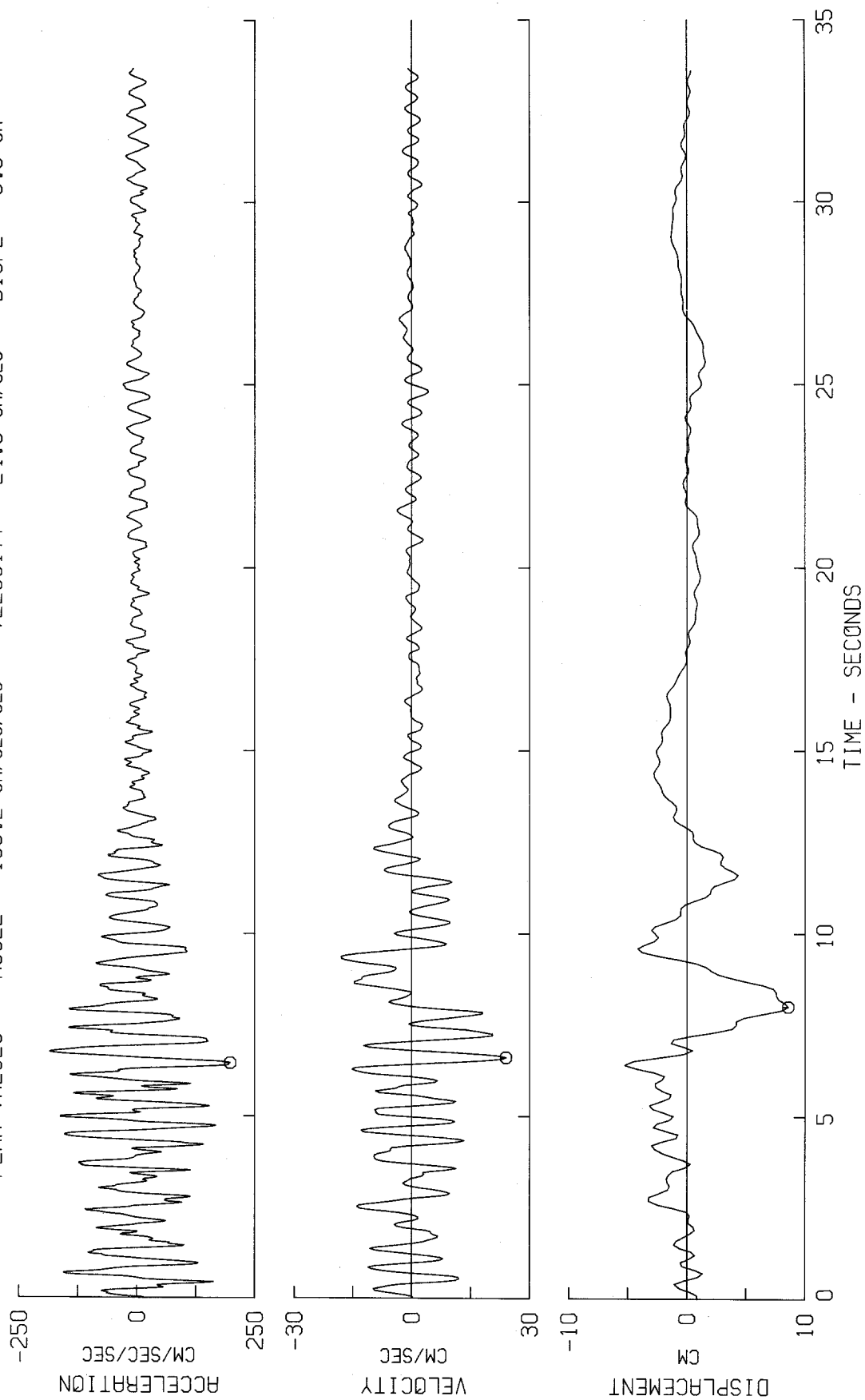
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF093 71.106.0 2011 ZONAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
 PEAK VALUES : ACCEL = 63.2 CM/SEC/SEC VELOCITY = -8.6 CM/SEC DISPL = -4.8 CM



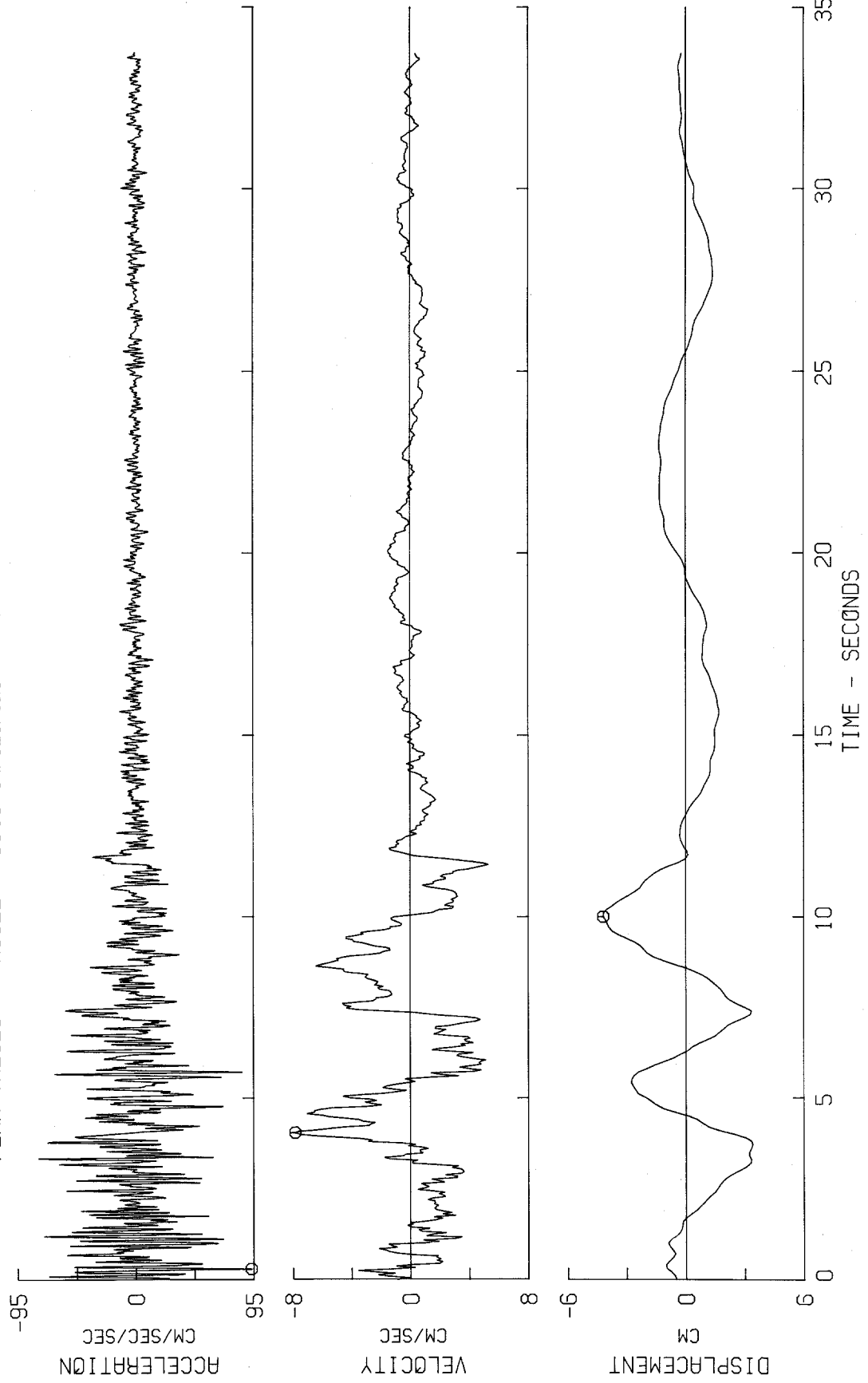
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF094 71.107.0 2011 ZONAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL. COMP S62E  
PEAK VALUES: ACCEL = -184.9 CM/SEC/SEC VELOCITY = 18.9 CM/SEC DISPL = -10.3 CM



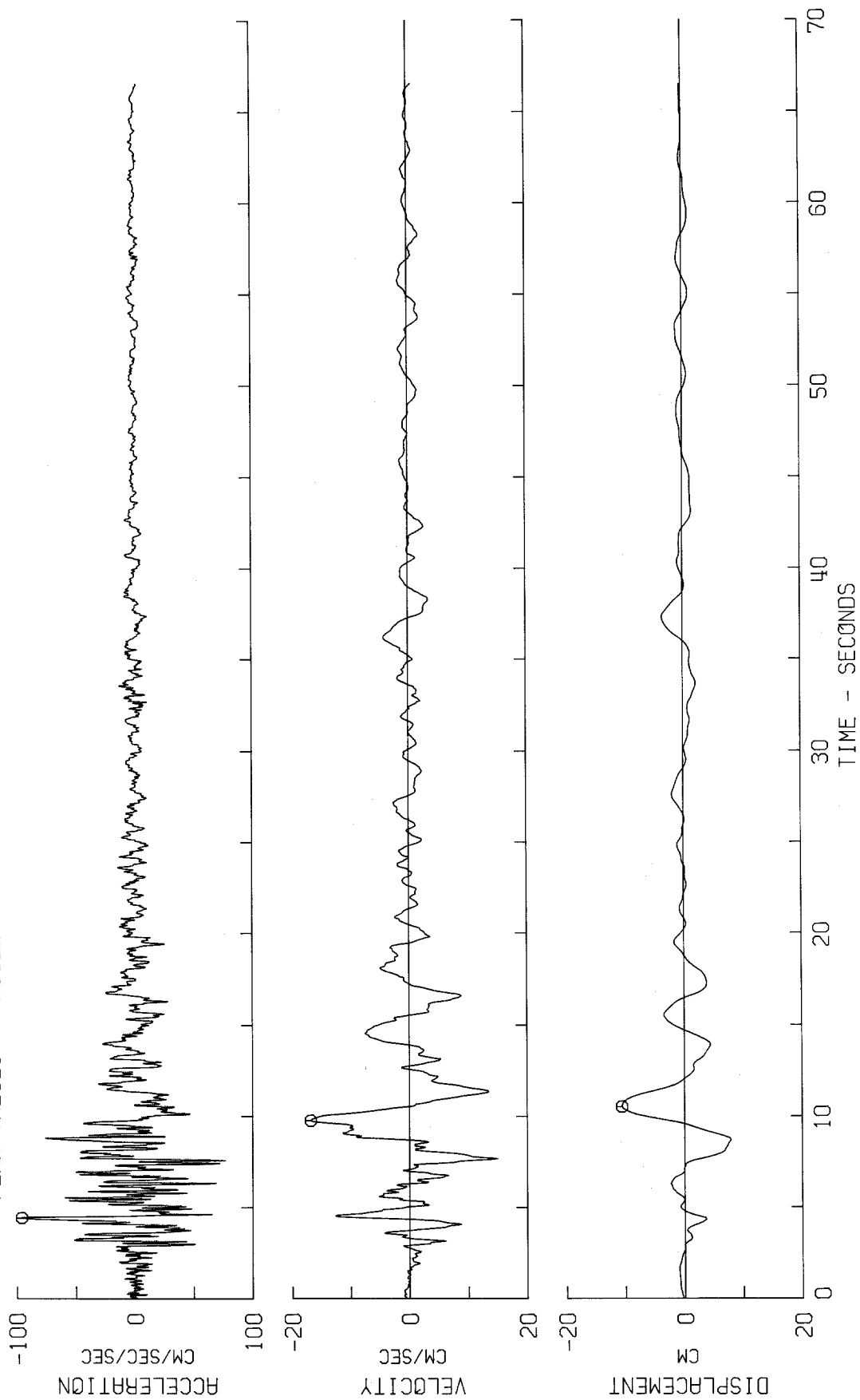
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF094 71.107.0 2011 ZONAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL. COMP S28W  
 ○ PEAK VALUES : ACCEL = 198.2 CM/SEC/SEC VELOCITY = 24.0 CM/SEC DISPL = 8.6 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF094 71.107.0 2011 ZONAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
PEAK VALUES : ACCEL = 93.0 CM/SEC/SEC VELOCITY = -7.9 CM/SEC DISPL = -4.2 CM

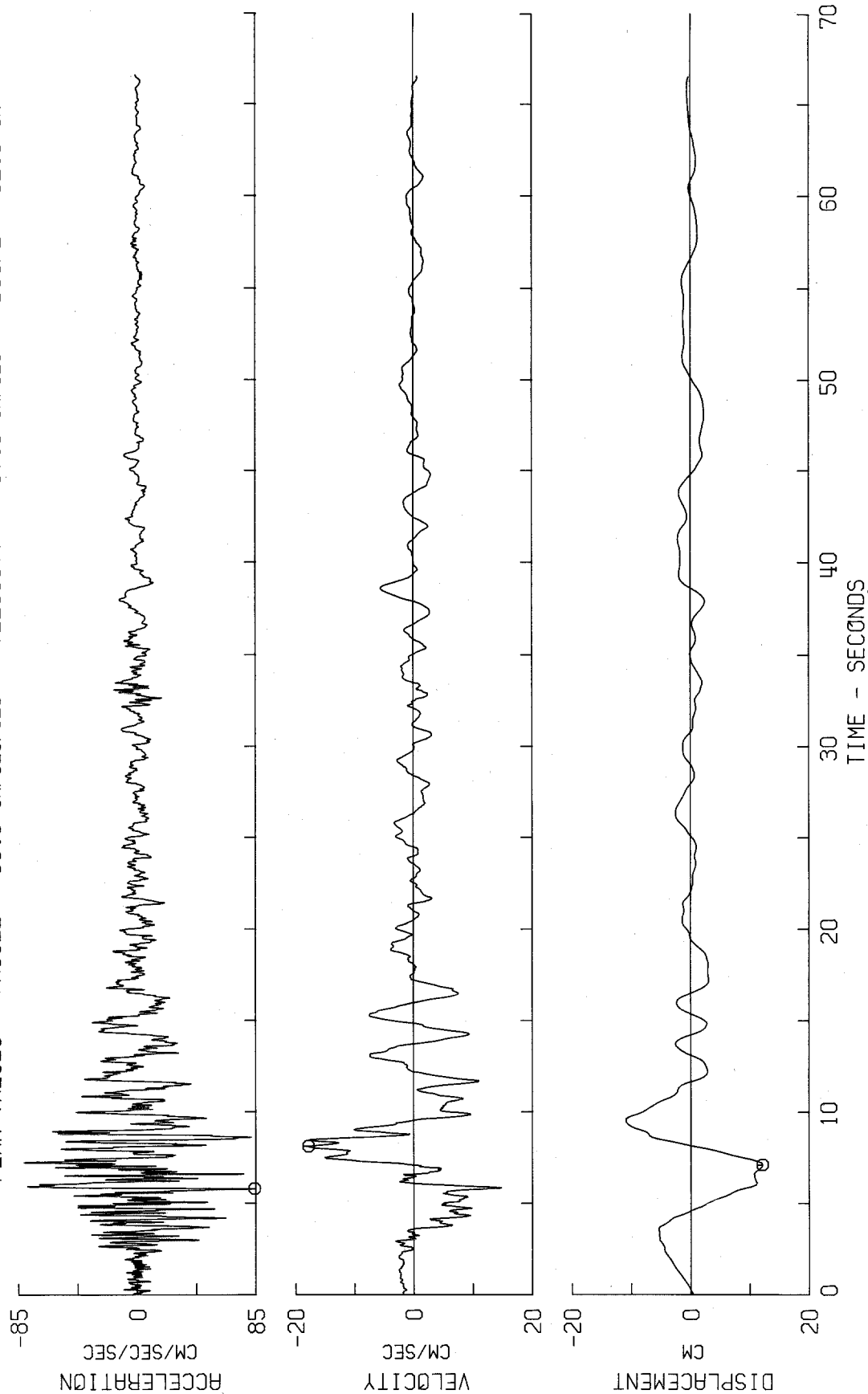


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF095 71.111.0 120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL. COMP S88E  
 PEAK VALUES: ACCEL = -96.2 CM/SEC/SEC VELOCITY = -16.8 CM/SEC DISPL = -10.6 CM

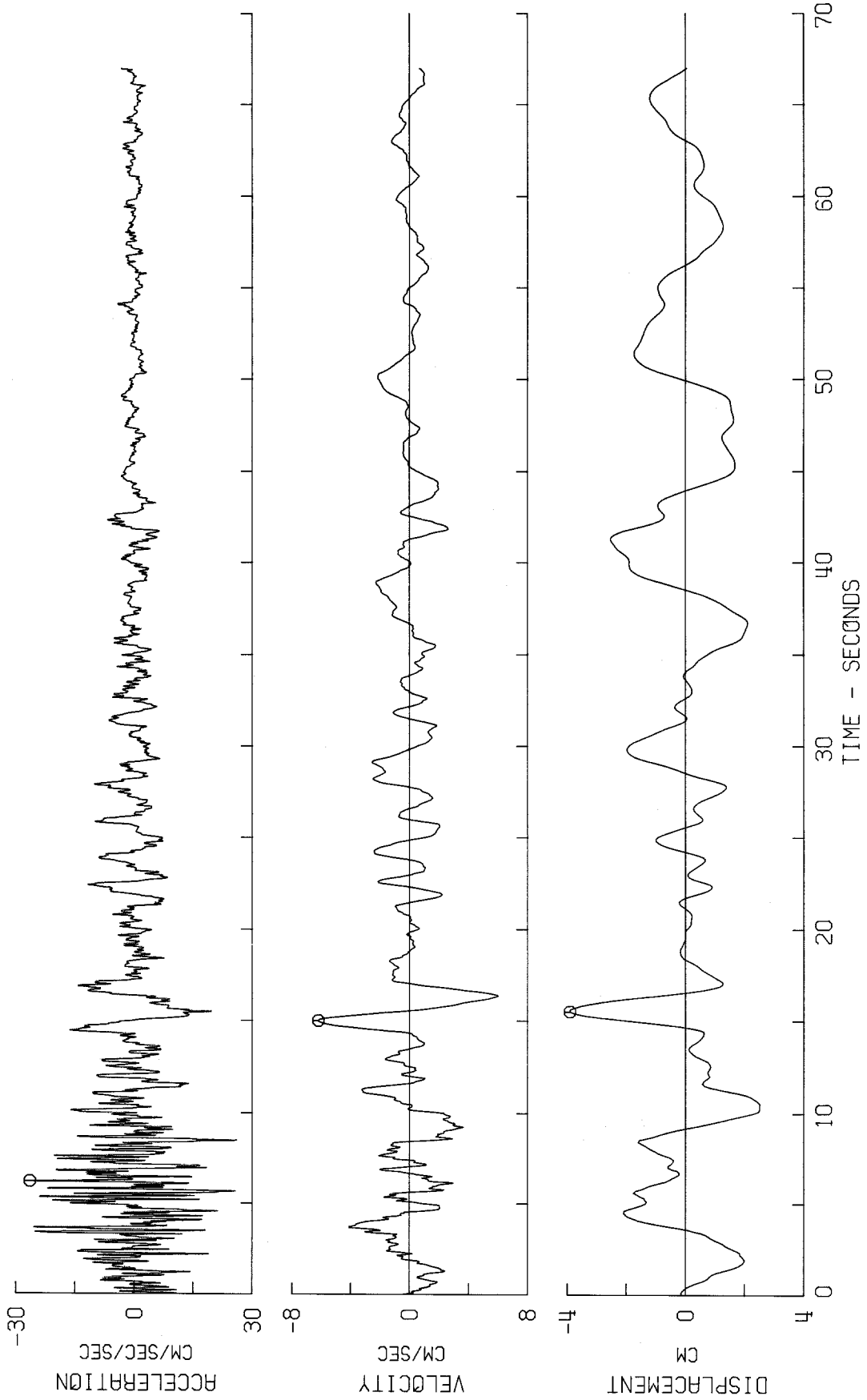




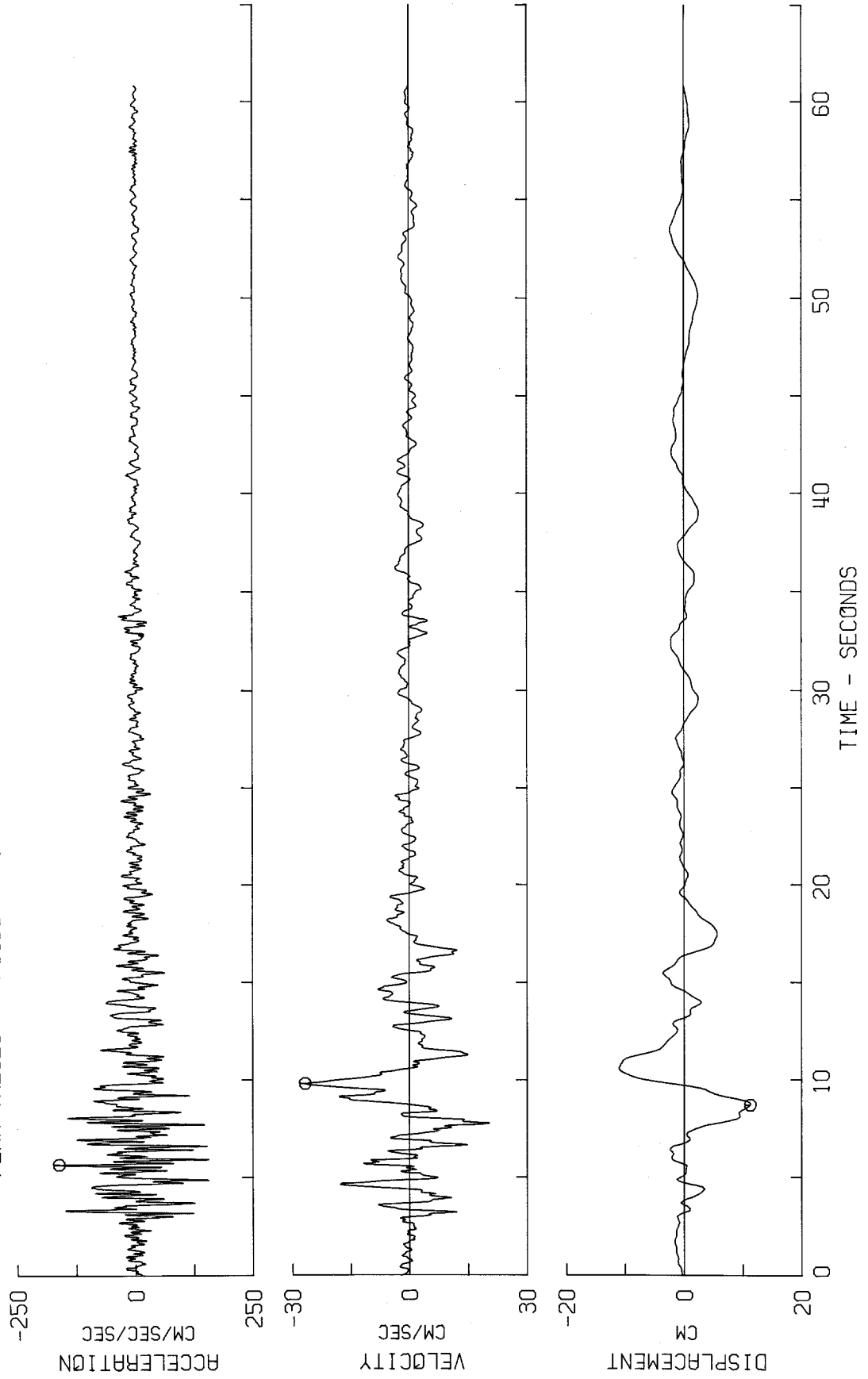
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF095 71.111.0 120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL. COMP S02W  
 ○ PEAK VALUES : ACCEL = 83.9 CM/SEC/SEC VELOCITY = -17.9 CM/SEC DISPL = 12.1 CM



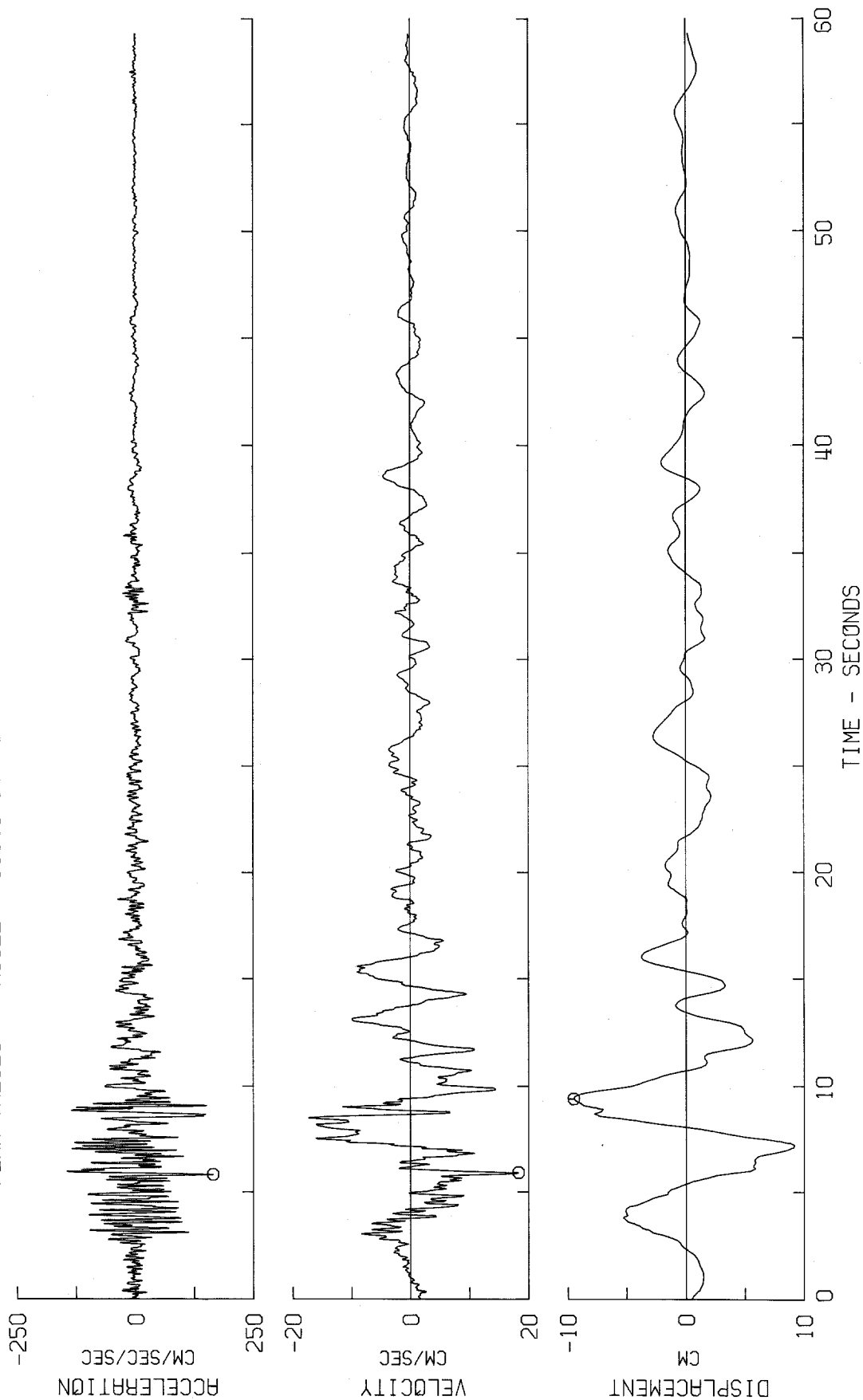
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF095 71.111.0 120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL. COMP DOWN  
o PEAK VALUES : ACCEL = -26.5 CM/SEC/SEC VELOCITY = -6.2 CM/SEC DISPL = -3.9 CM



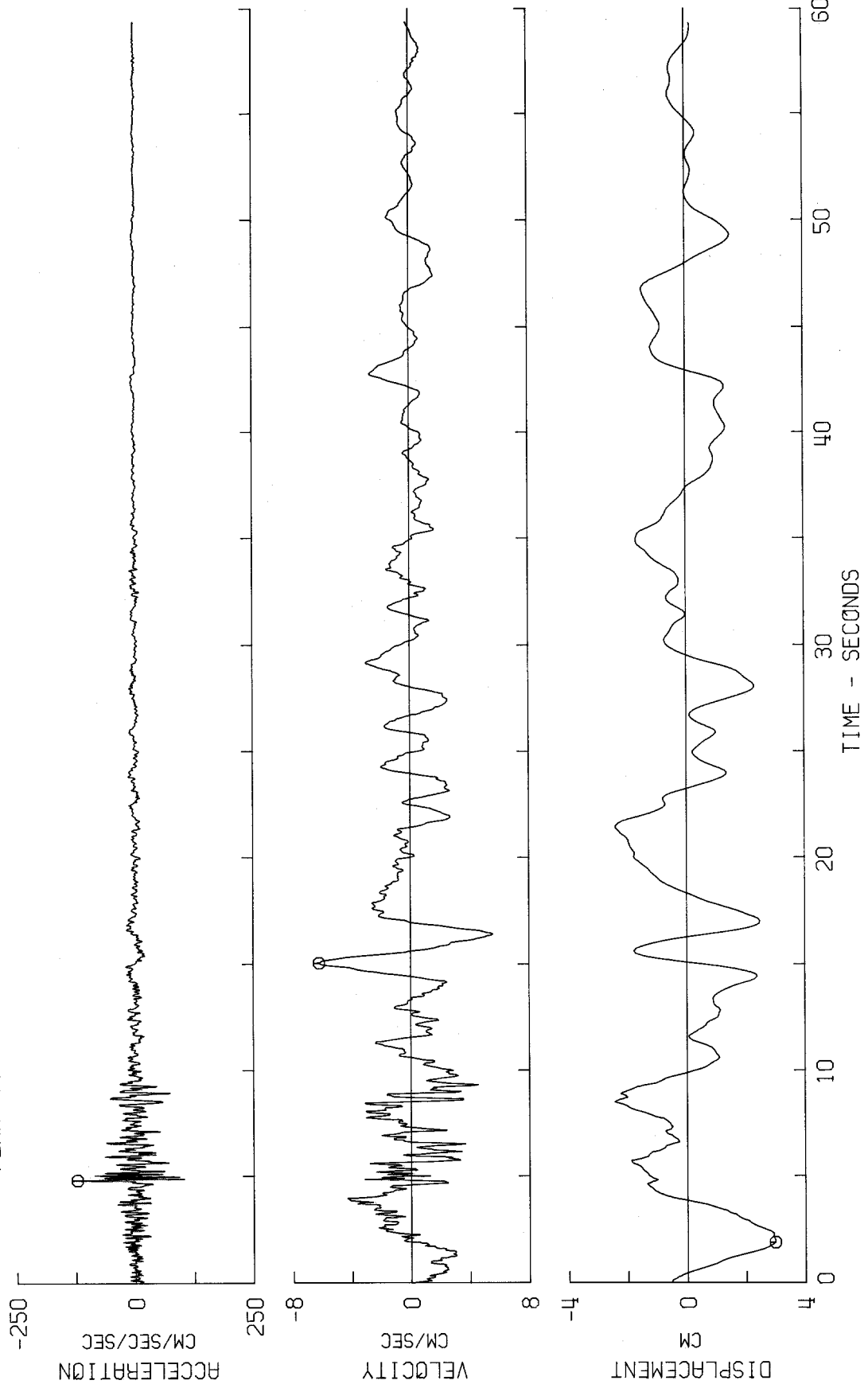
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF096 71.112.0 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL. COMP S88E  
PEAK VALUES : ACCEL = -162.1 CM/SEC/SEC VELOCITY = -26.7 CM/SEC DISPL = 11.3 CM



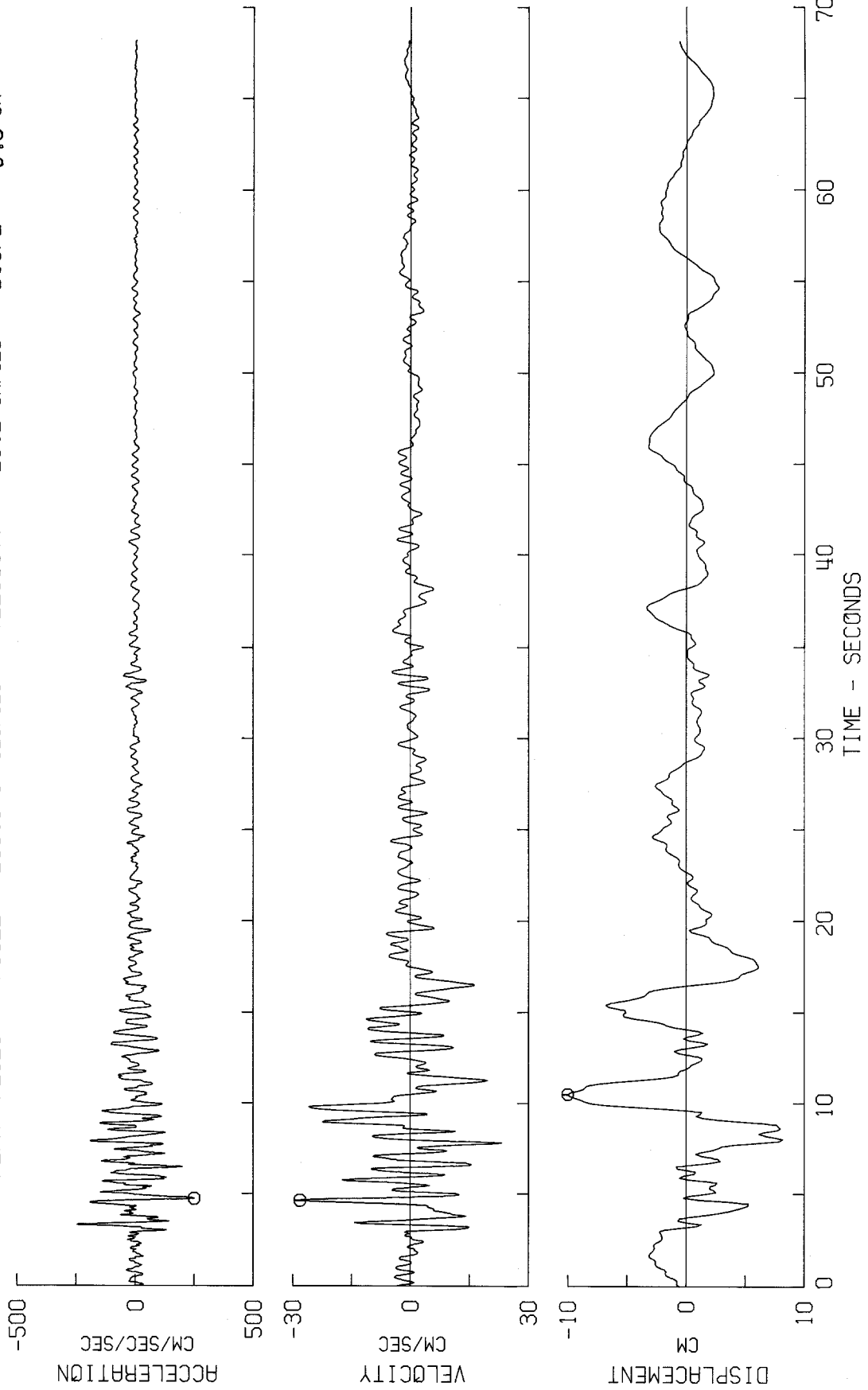
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF096 71.112.0 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL. COMP S02W  
 ○ PEAK VALUES : ACCEL = 165.0 CM/SEC/SEC VELOCITY = 18.3 CM/SEC DISPL = -9.5 CM



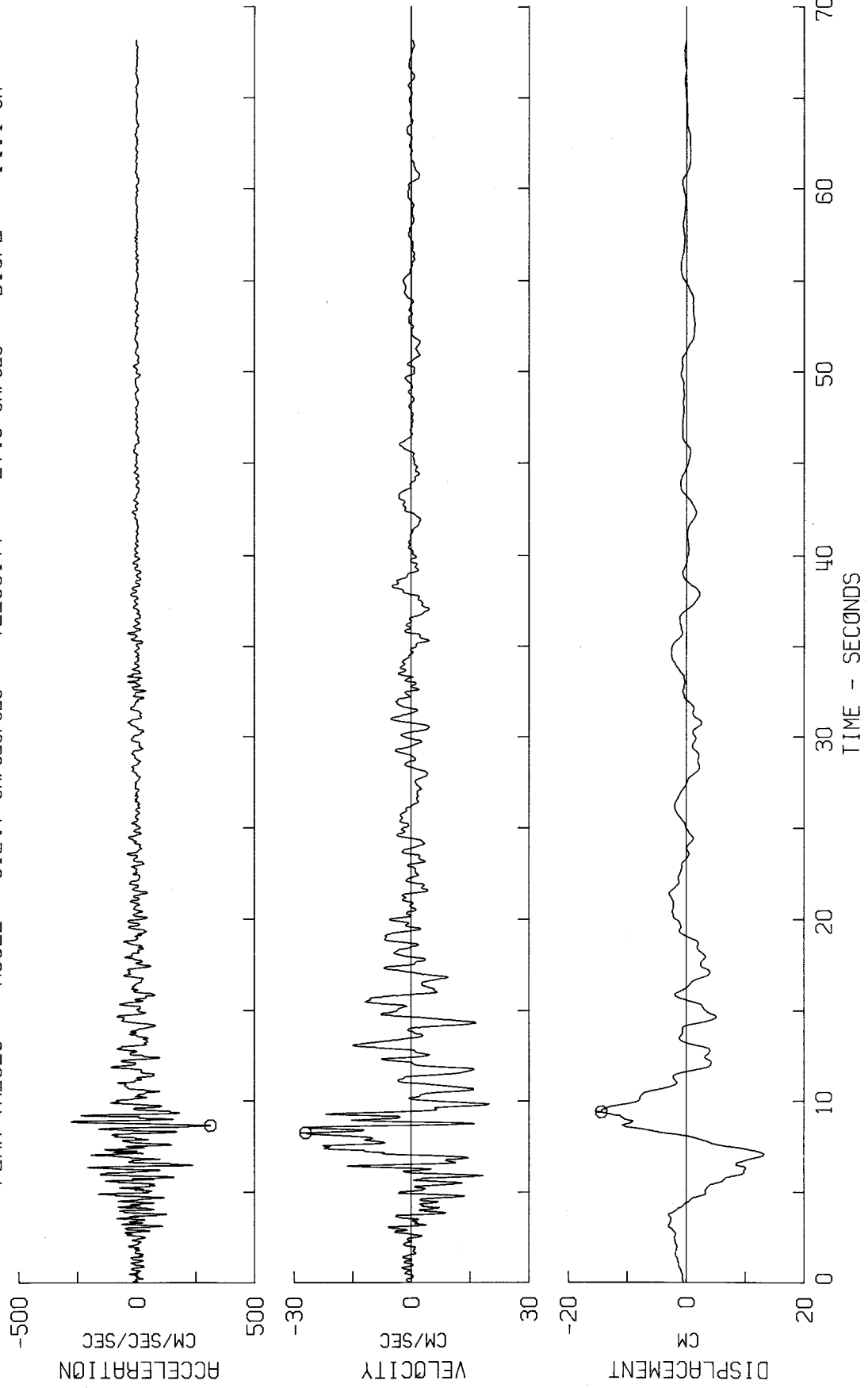
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF096 71.112.0 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
⊙ PEAK VALUES : ACCEL = -123.1 CM/SEC/SEC VELOCITY = -6.2 CM/SEC DISPL = 3.0 CM



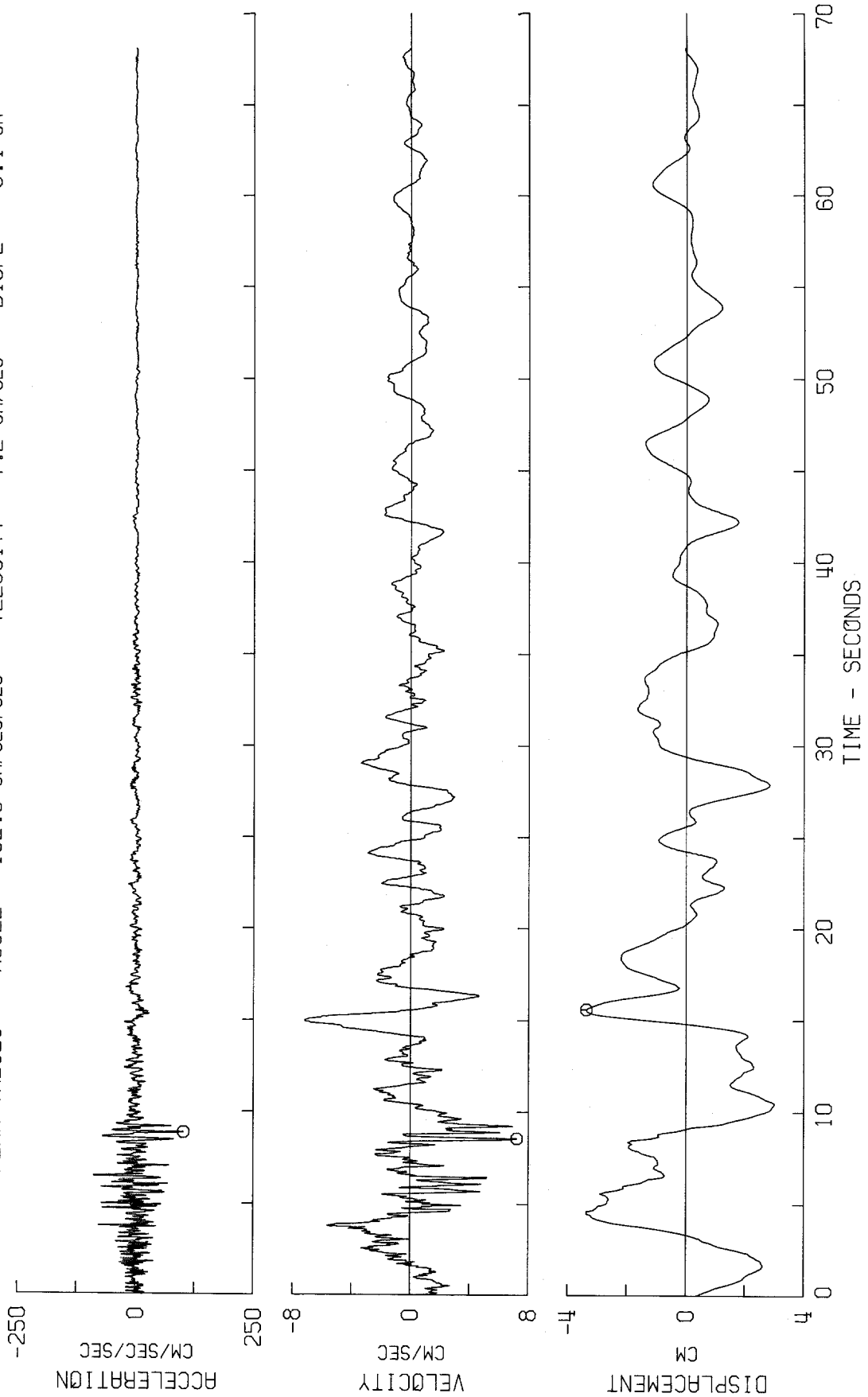
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF097 71.113.0 120 NORTH ROBERTSON BLVD., 9TH FLOOR, LOS ANGELES, CAL. COMP S88E  
PEAK VALUES : ACCEL = 250.5 CM/SEC/SEC VELOCITY = -28.2 CM/SEC DISPL = -9.9 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF097 71.113.0 120 NORTH ROBERTSON BLVD., 9TH FLOOR, LOS ANGELES, CAL. COMP S02W  
⊙ PEAK VALUES : ACCEL = 312.7 CM/SEC/SEC VELOCITY = -27.0 CM/SEC DISPL = -14.4 CM

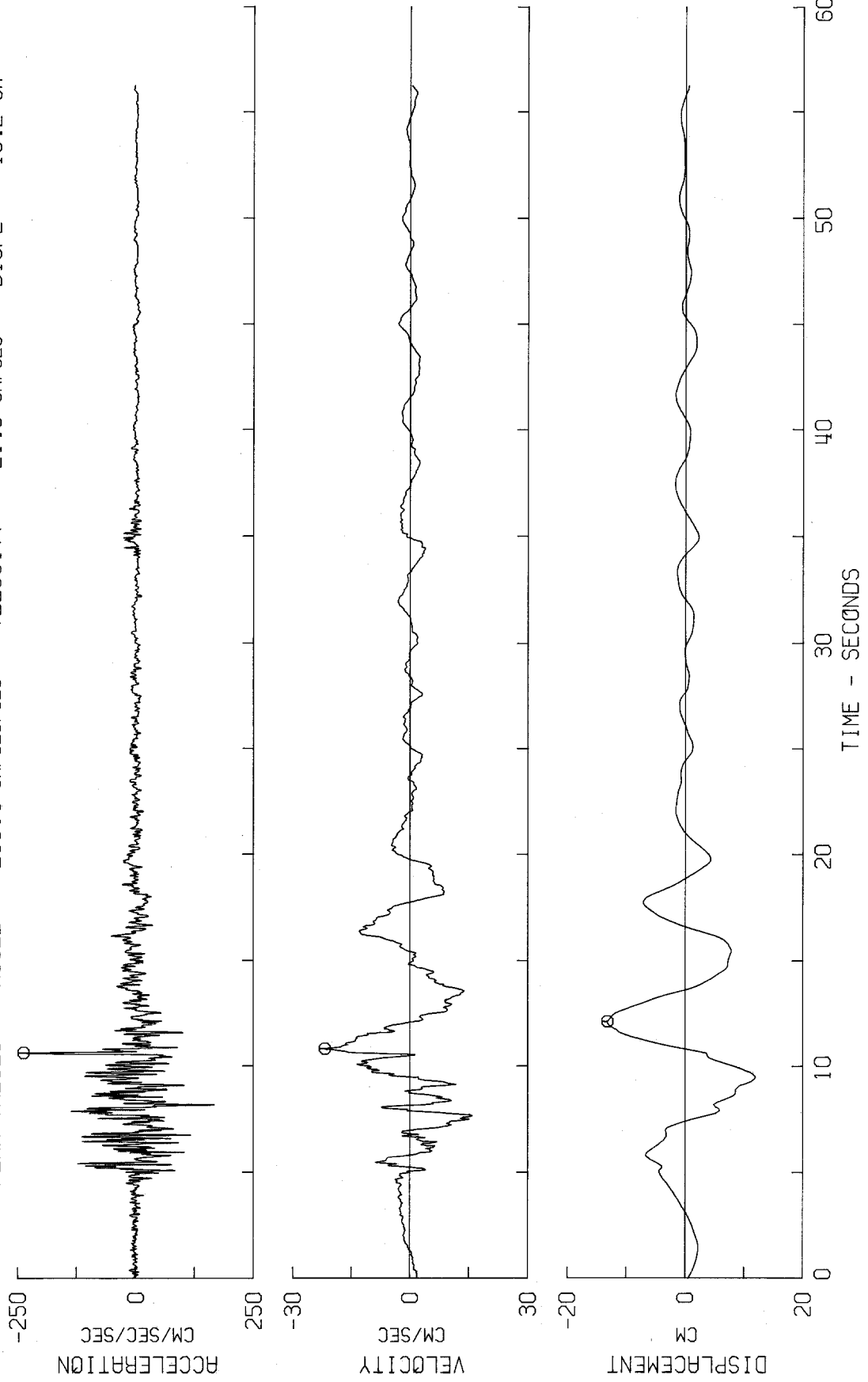


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF097 71.113.0 120 NORTH ROBERTSON BLVD., 9TH FLOOR, LOS ANGELES, CAL. COMP DOWN  
⊙ PEAK VALUES : ACCEL = 102.0 CM/SEC/SEC VELOCITY = 7.2 CM/SEC DISPL = -3.4 CM

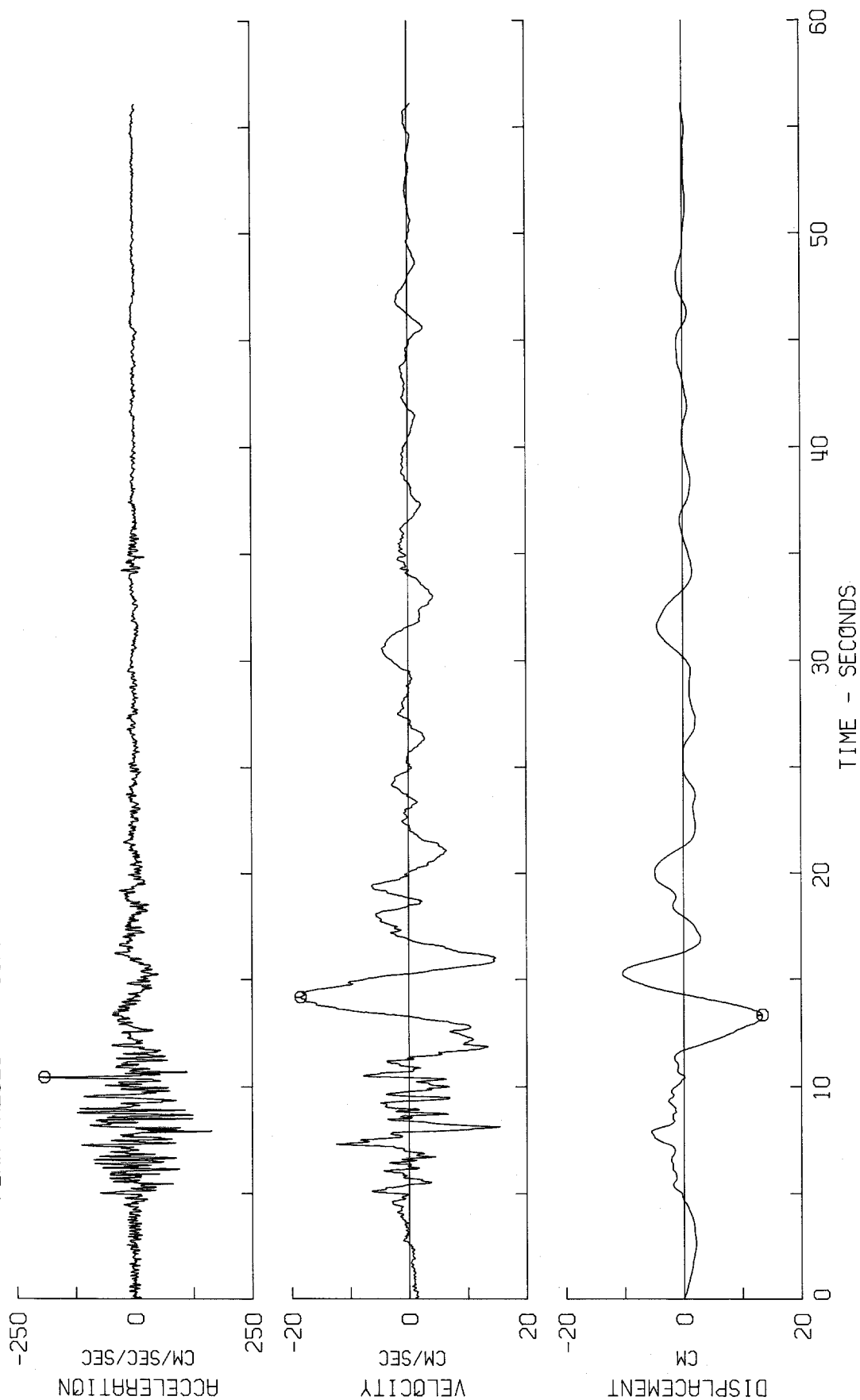




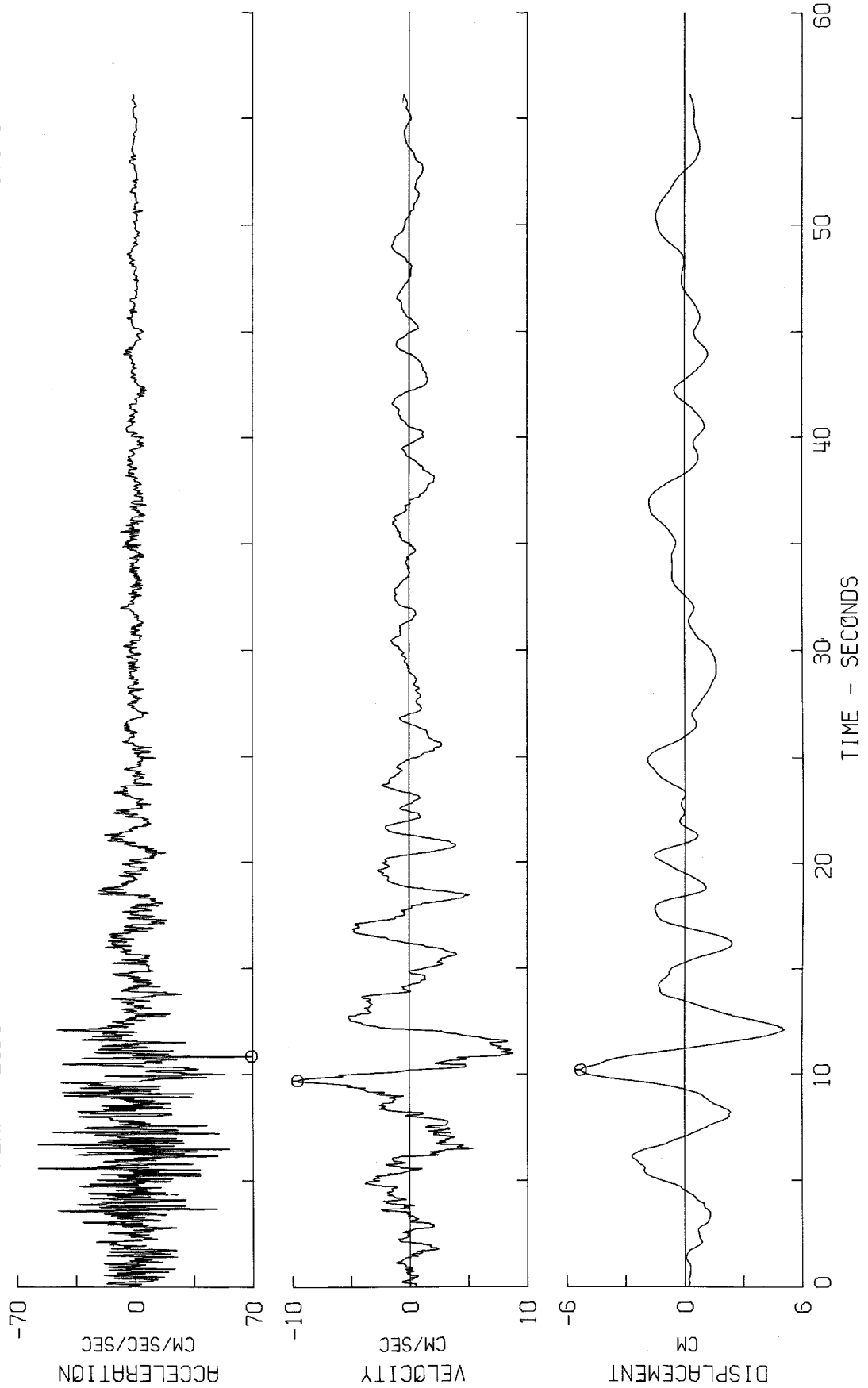
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF098 71.114.0 646 SOUTH OLIVE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S53E  
PEAK VALUES : ACCEL = -236.4 CM/SEC/SEC VELOCITY = -21.8 CM/SEC DISPL = -13.2 CM



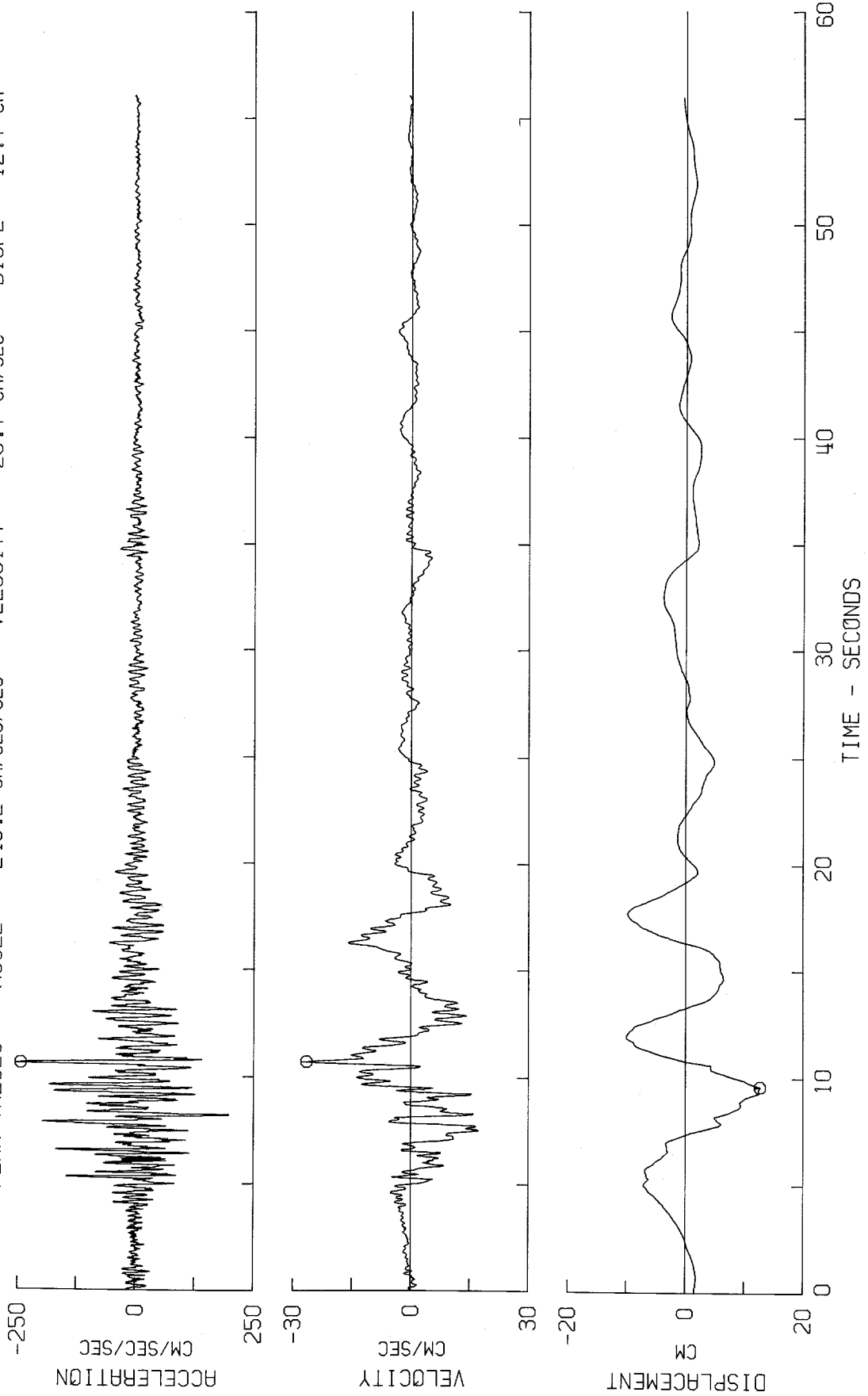
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF098 71.114.0 646 SOUTH OLIVE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP S37W  
 PEAK VALUES: ACCEL = -192.0 CM/SEC/SEC VELOCITY = -18.5 CM/SEC DISPL = 13.4 CM



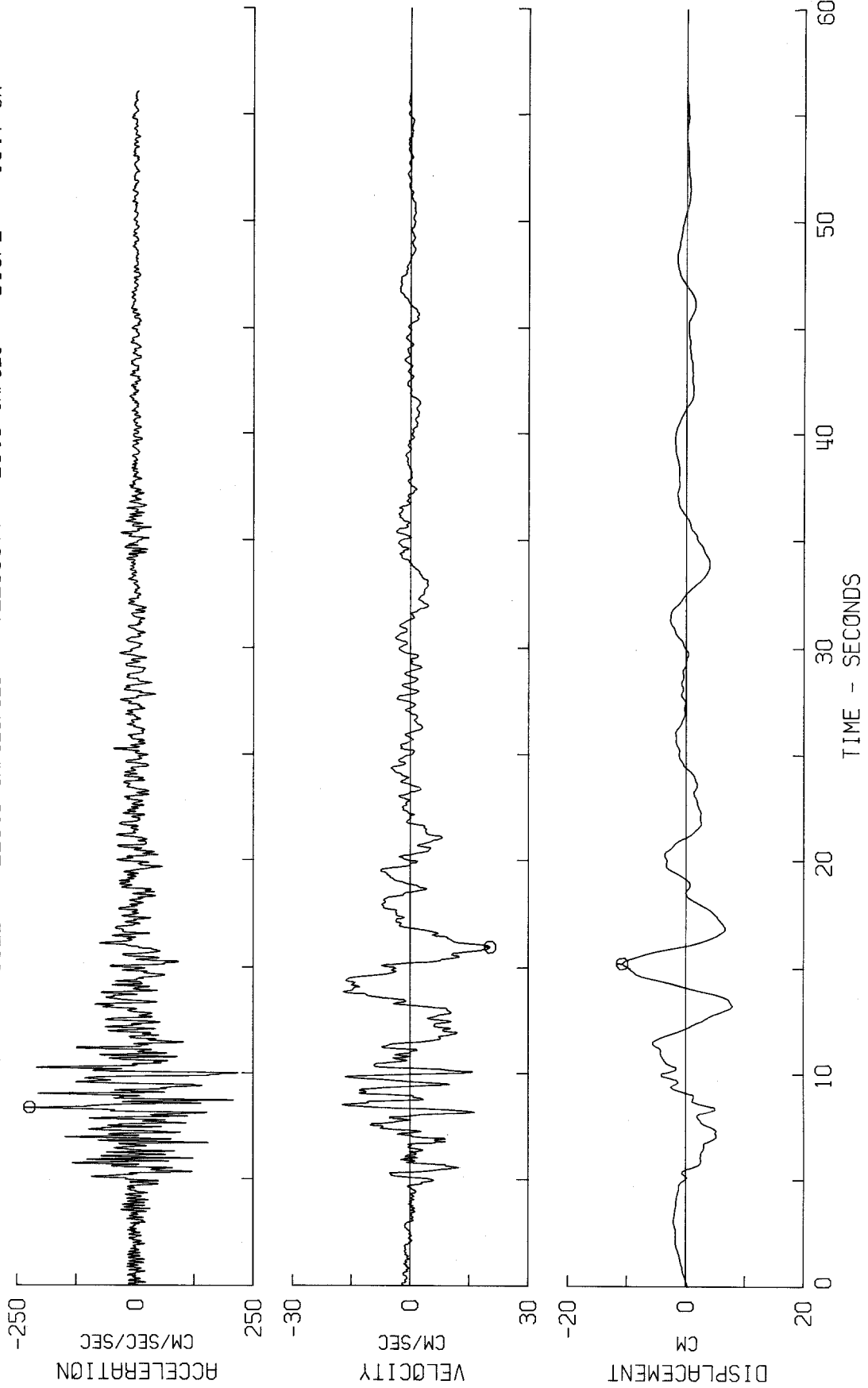
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF098 71.114.0 646 SOUTH OLIVE AVENUE, BASEMENT, LOS ANGELES, CAL. COMP DOWN  
 ○ PEAK VALUES : ACCEL = 69.2 CM/SEC/SEC VELOCITY = -9.6 CM/SEC DISPL = -5.3 CM



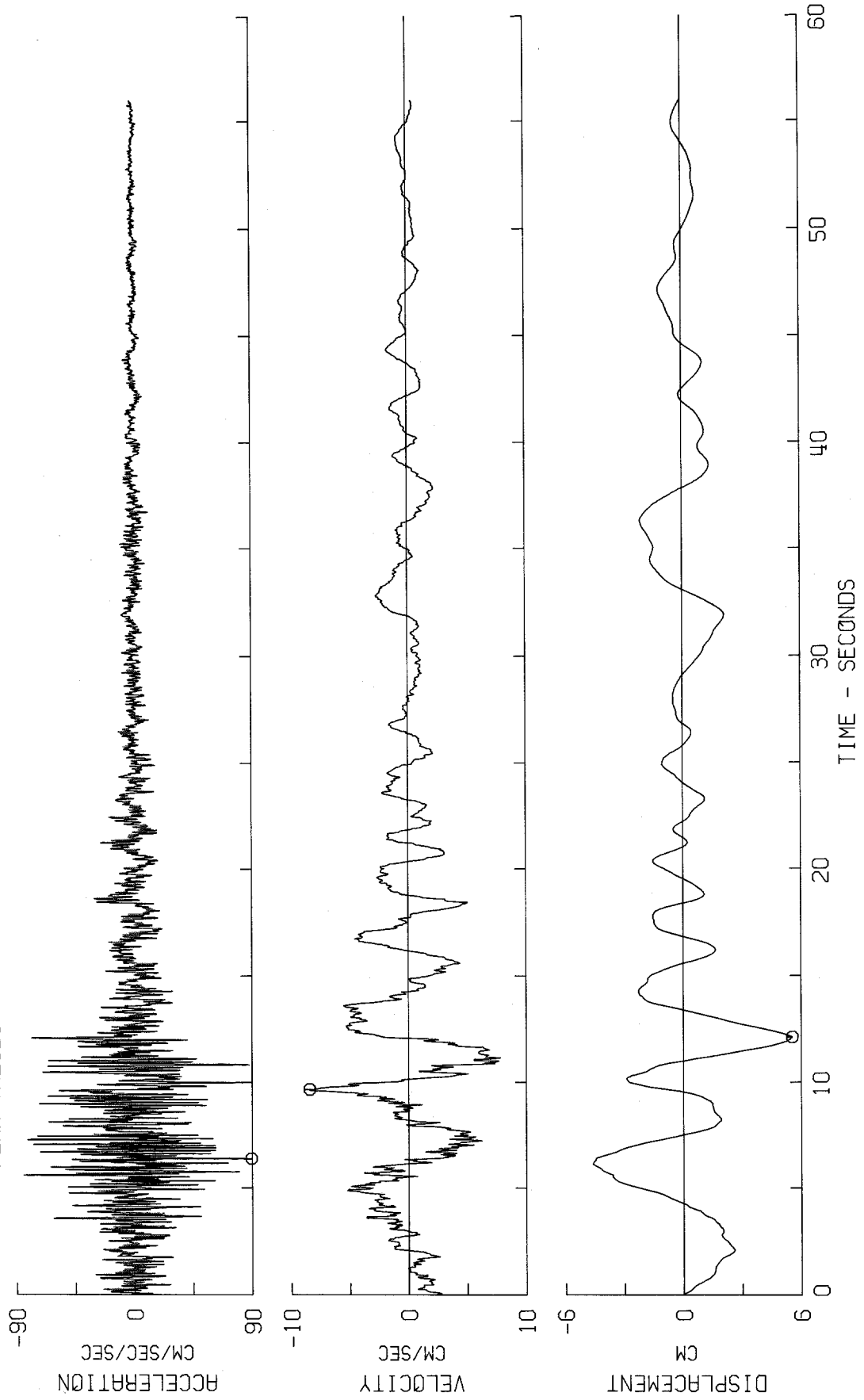
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF099 71.115.0 646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL. COMP S53E  
PEAK VALUES : ACCEL = -245.2 CM/SEC/SEC VELOCITY = -26.7 CM/SEC DISPL = 12.7 CM



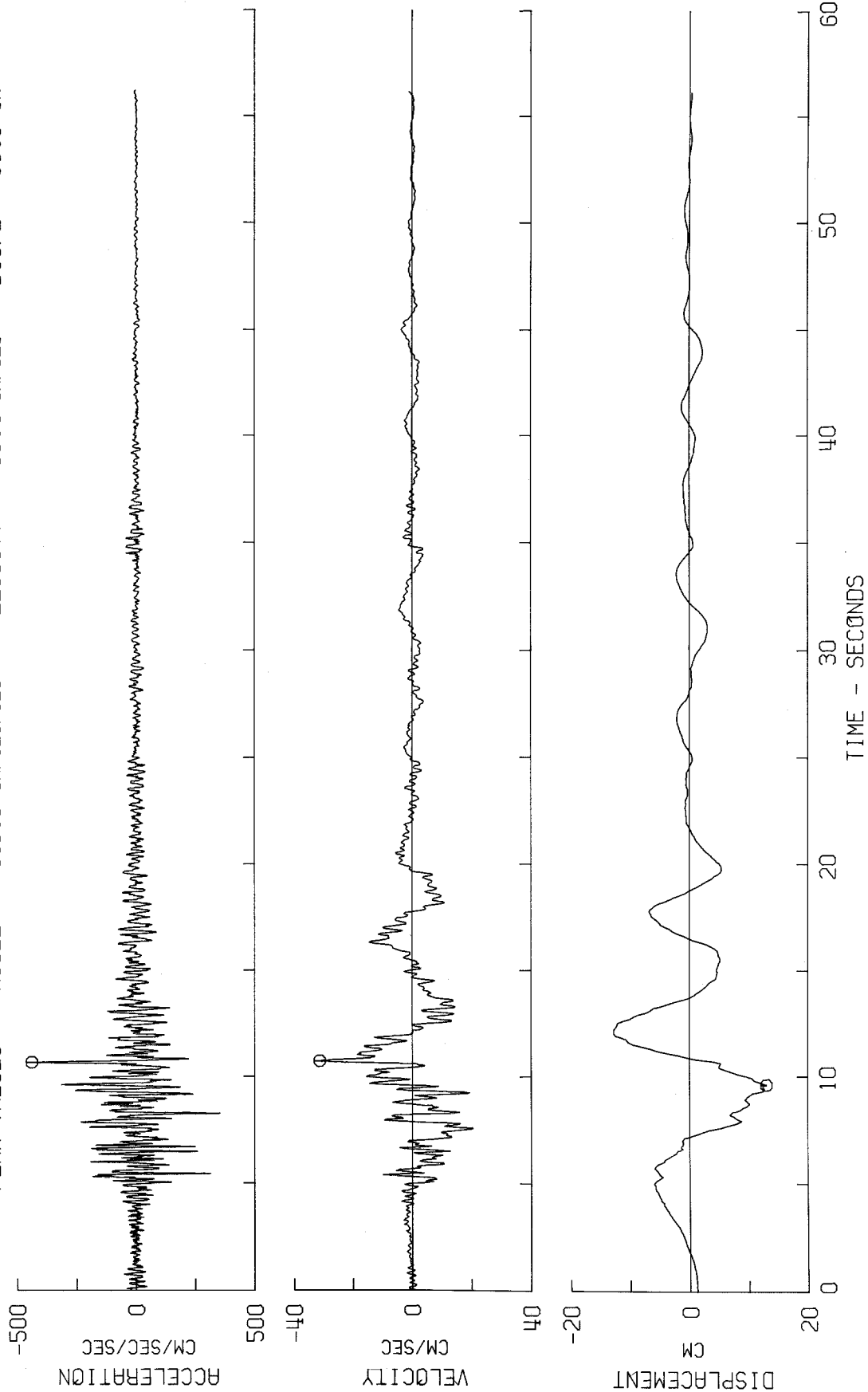
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF099 71.115.0 646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL. COMP S37W  
PEAK VALUES : ACCEL = -223.0 CM/SEC/SEC VELOCITY = 20.3 CM/SEC DISPL = -10.7 CM



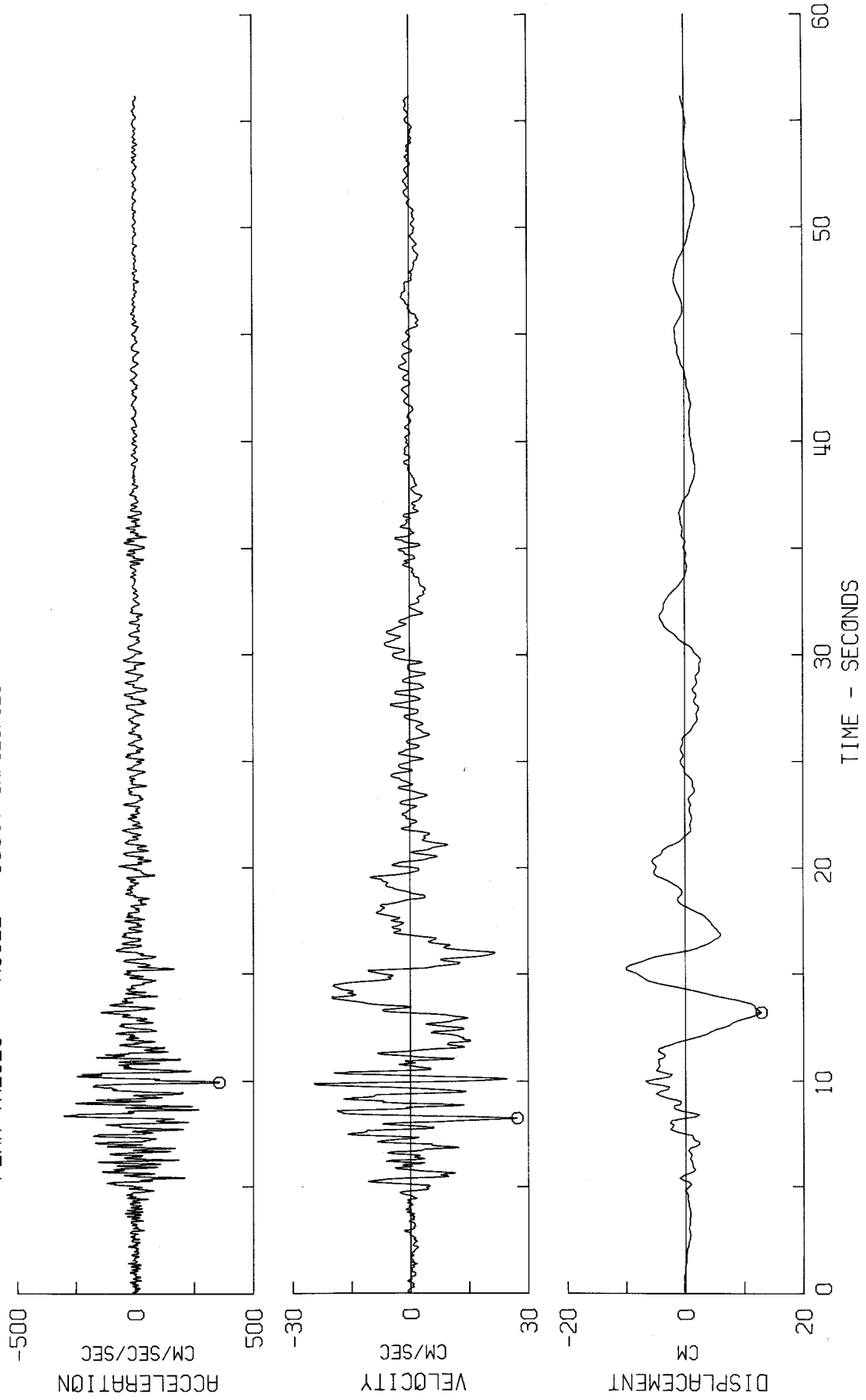
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF099 71.115.0 646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL. COMP DOWN  
O PEAK VALUES : ACCEL = 89.5 CM/SEC/SEC VELOCITY = -8.4 CM/SEC DISPL = 5.5 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF100 71.116.0 646 SOUTH OLIVE AVENUE, ROOF, LOS ANGELES, CAL. COMP S53E  
 PEAK VALUES : ACCEL = -440.0 CM/SEC/SEC VELOCITY = -31.4 CM/SEC DISPL = 13.0 CM

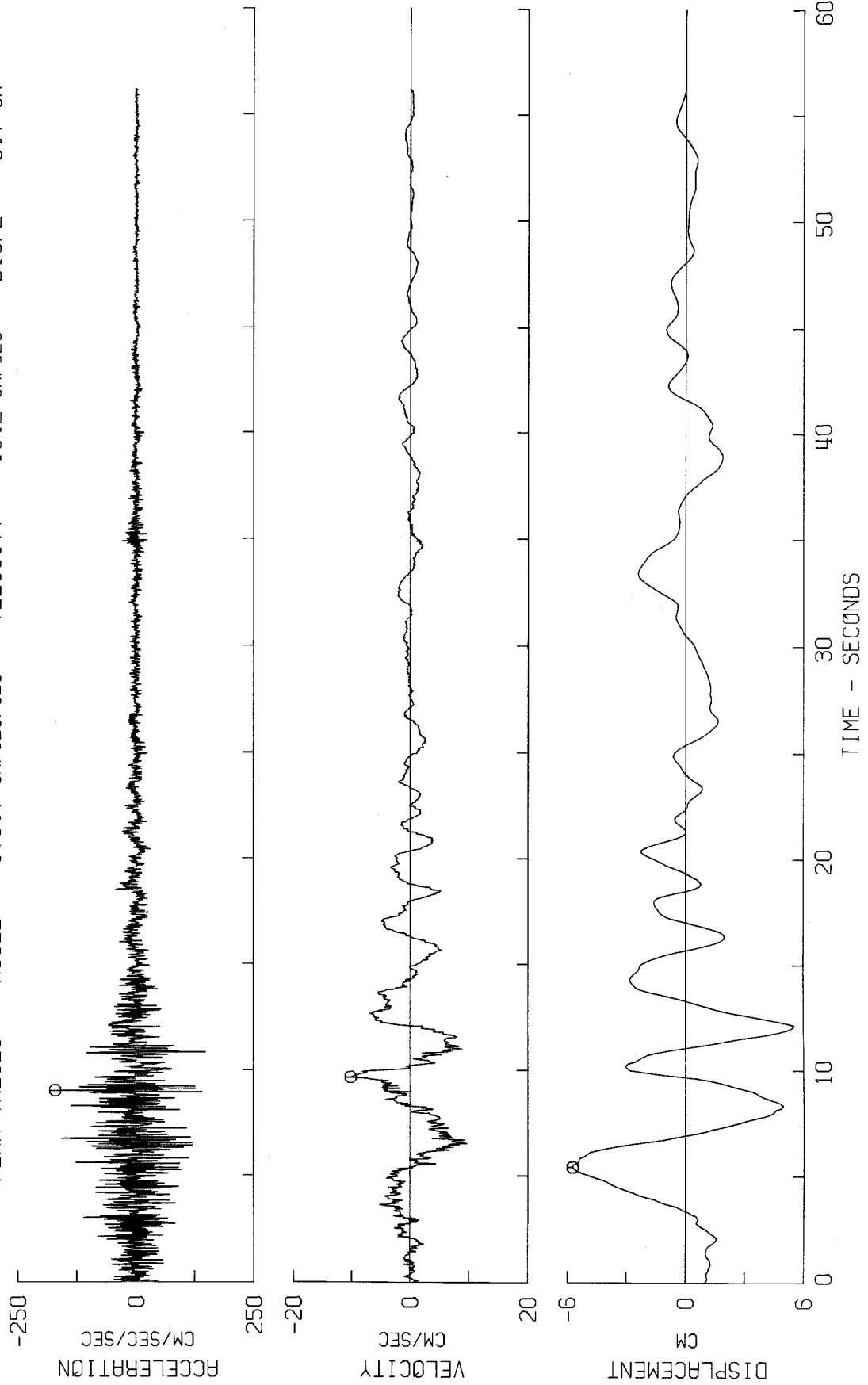


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF100 71.116.0 646 SOUTH OLIVE AVENUE, ROOF, LOS ANGELES, CAL. COMP S37W  
PEAK VALUES : ACCEL = 355.7 CM/SEC/SEC VELOCITY = 27.2 CM/SEC DISPL = 12.9 CM

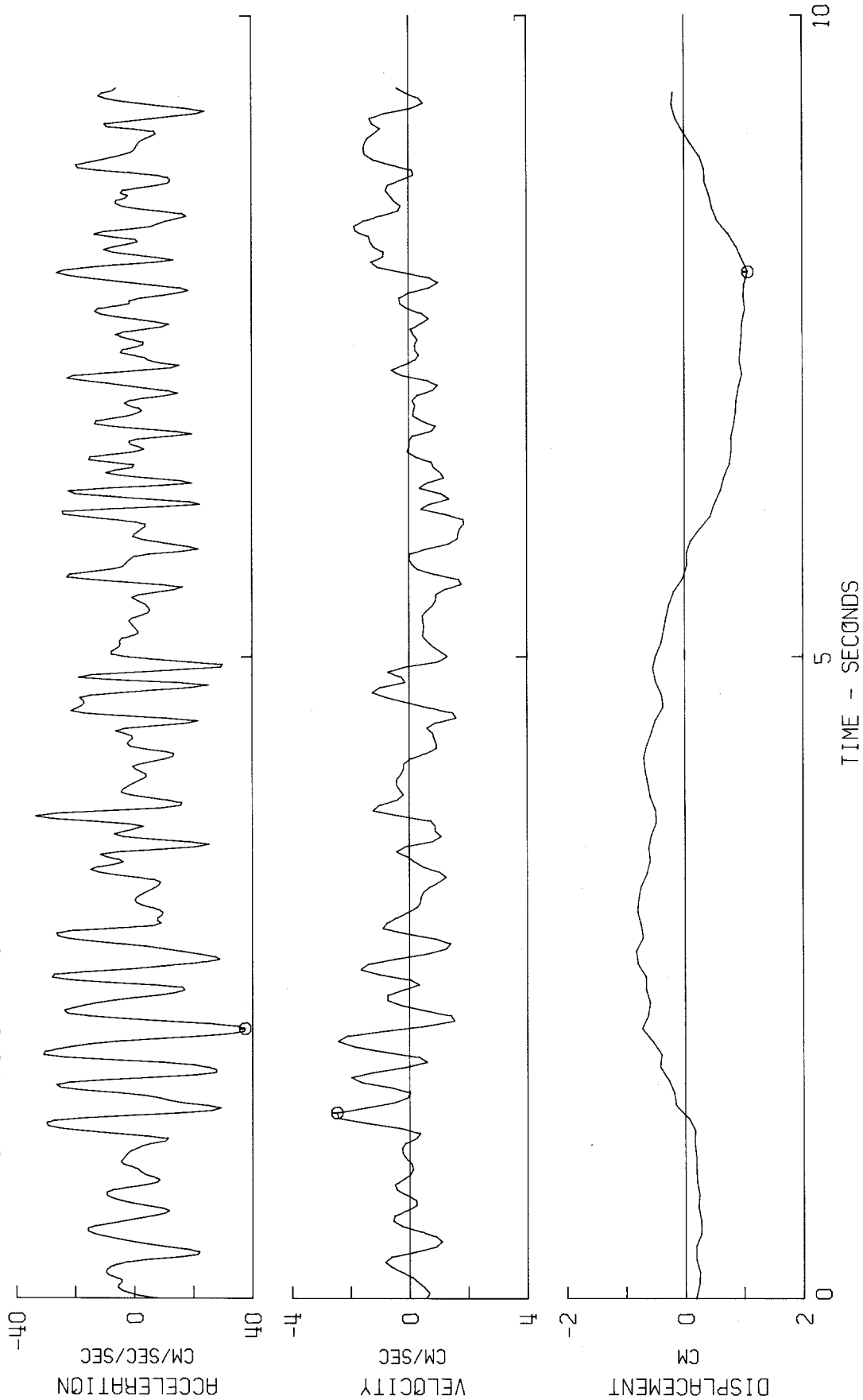




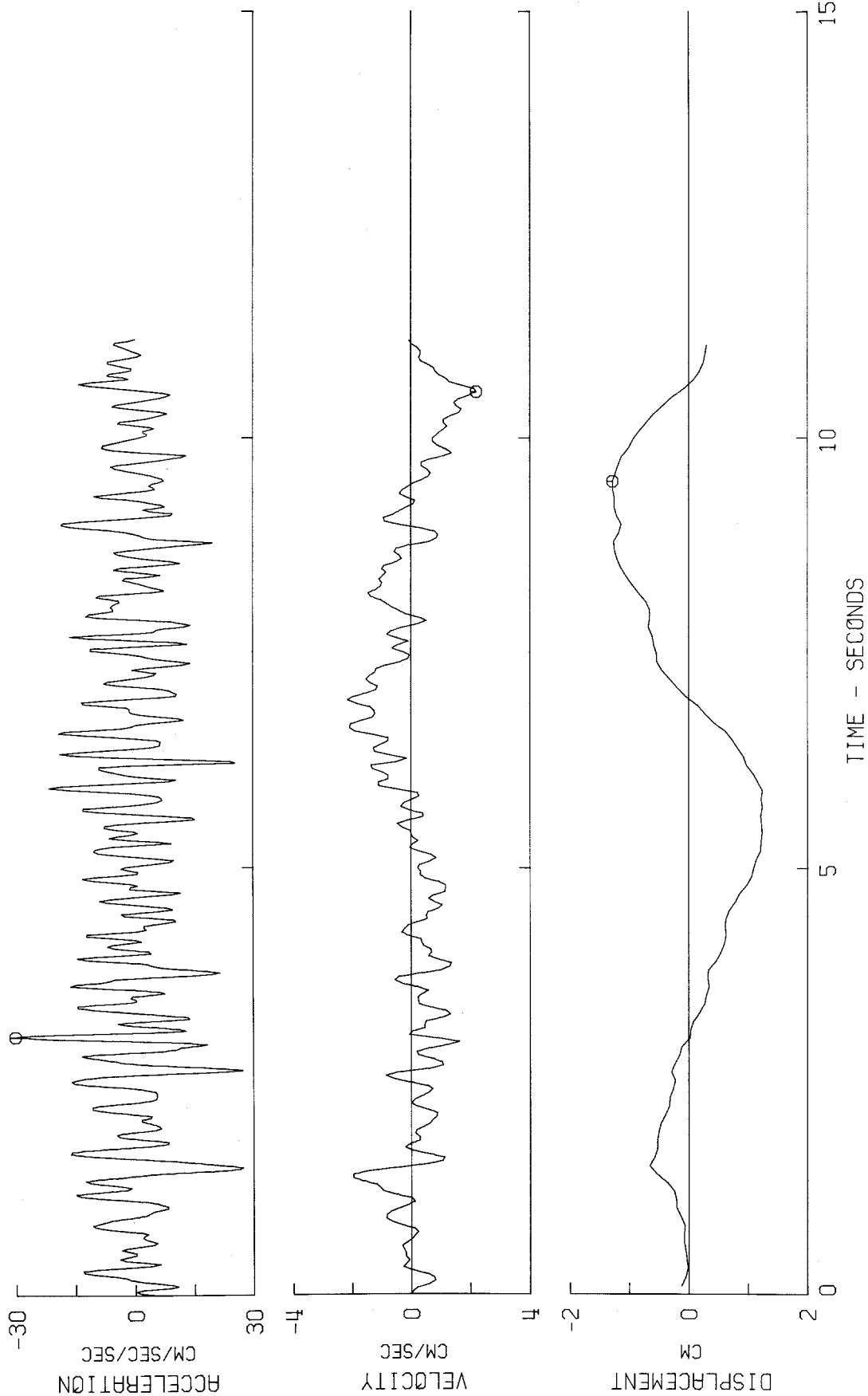
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF100 71.116.0 646 SOUTH OLIVE AVENUE, ROOF, LOS ANGELES, CAL. COMP DOWN  
⊙ PEAK VALUES : ACCEL = -170.7 CM/SEC/SEC VELOCITY = -10.2 CM/SEC DISPL = -5.7 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF101 71.142.0 EDISON COMPANY, COLTON, CAL. COMP S00W  
 ○ PEAK VALUES : ACCEL = 37.5 CM/SEC/SEC VELOCITY = -2.5 CM/SEC DISPL = 1.1 CM

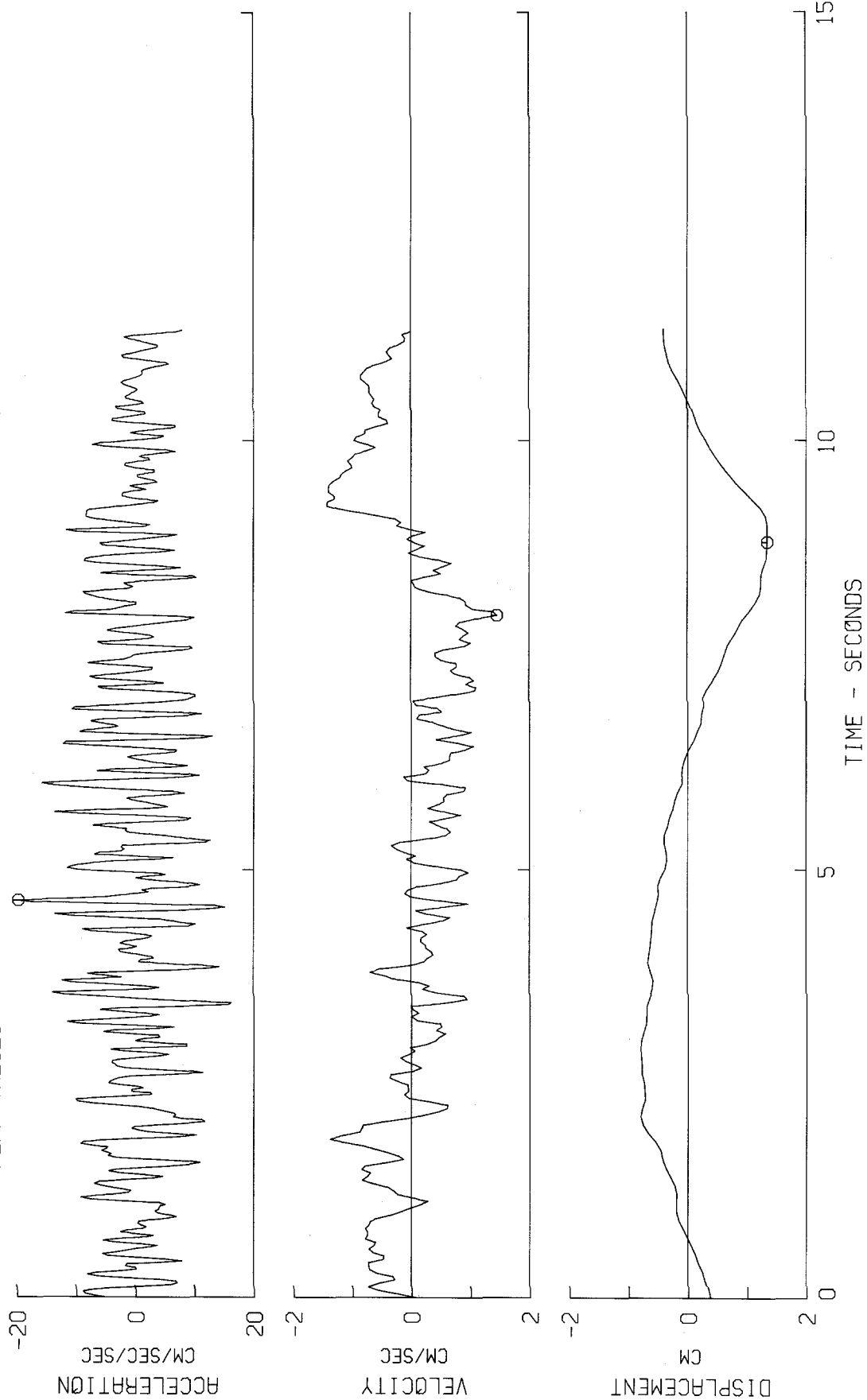


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF101 71.142.0 EDISON COMPANY, COLTON, CAL. COMP N90E  
 PEAK VALUES : ACCEL = -30.0 CM/SEC/SEC VELOCITY = 2.2 CM/SEC DISPL = -1.3 CM

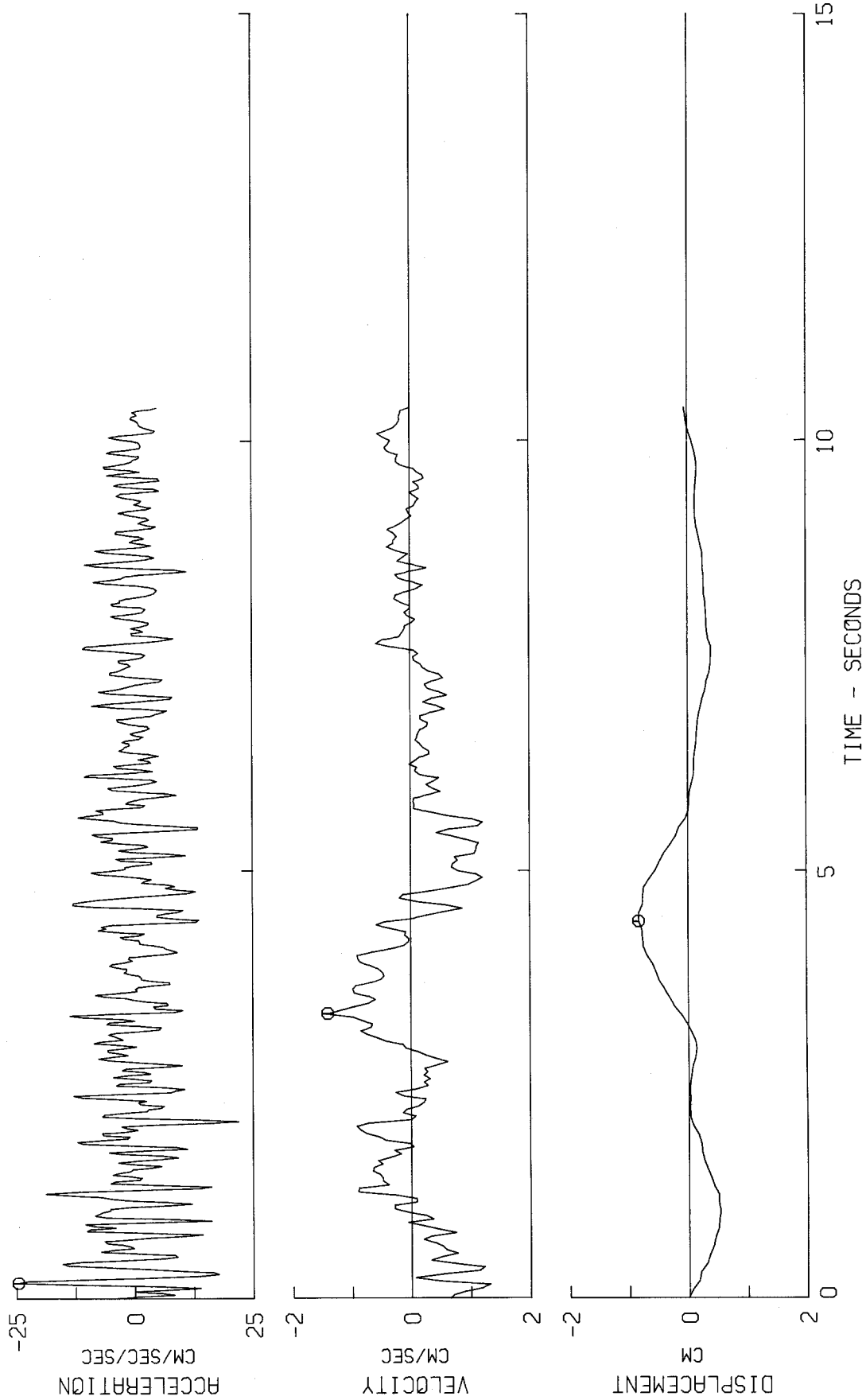


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF101 71.142.0 EDISON COMPANY, COLTON, CAL. COMP UP

PEAK VALUES : ACCEL = -19.7 CM/SEC/SEC VELOCITY = 1.5 CM/SEC DISPL = 1.4 CM



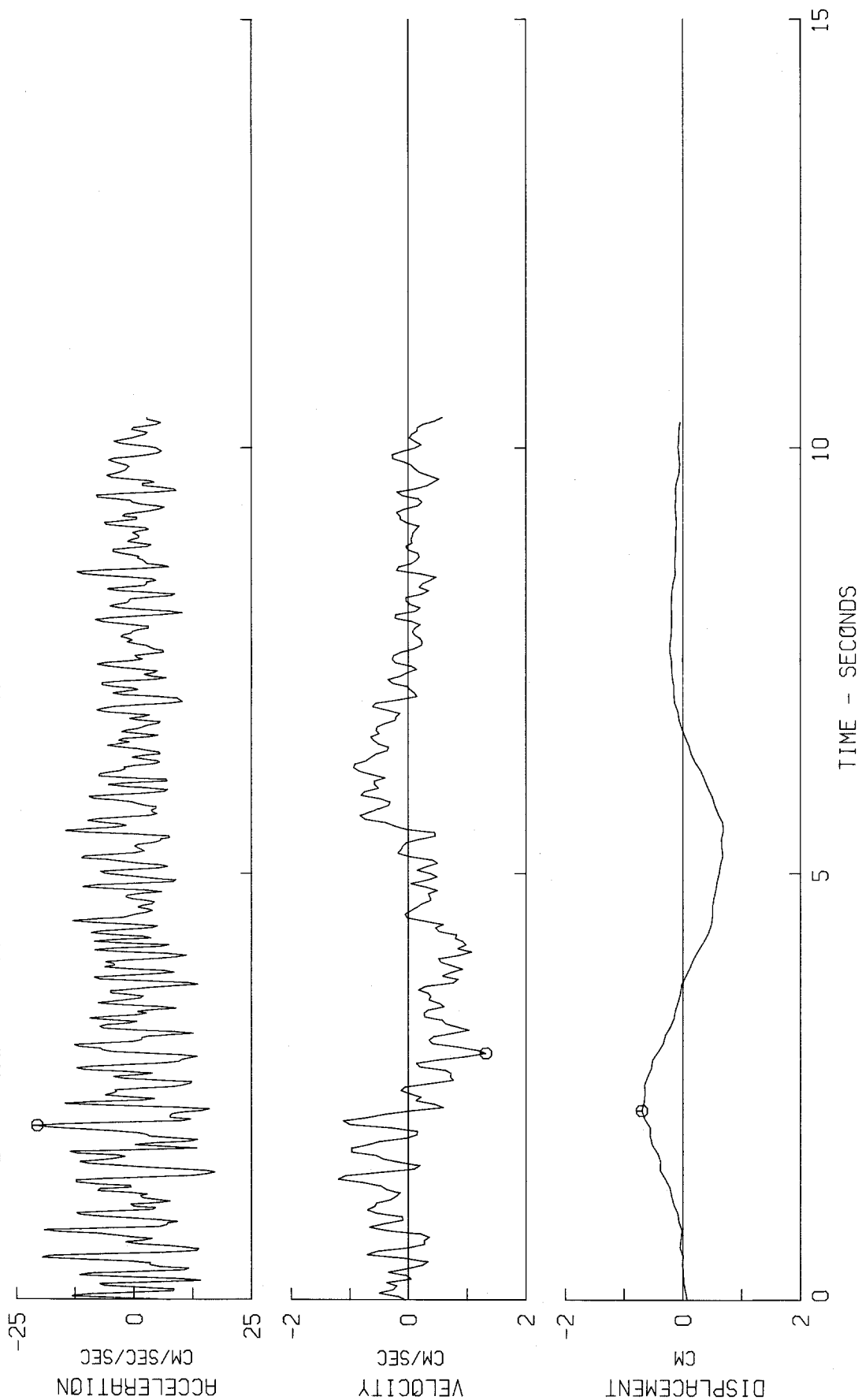
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF102 71.143.0 FT. TEJON, CAL. COMP NO0E  
 ∅ PEAK VALUES : ACCEL = -24.6 CM/SEC/SEC VELOCITY = -1.4 CM/SEC DISPL = -0.8 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

IIF102 71.143.0 FT. TEJON, CAL. COMP N90E

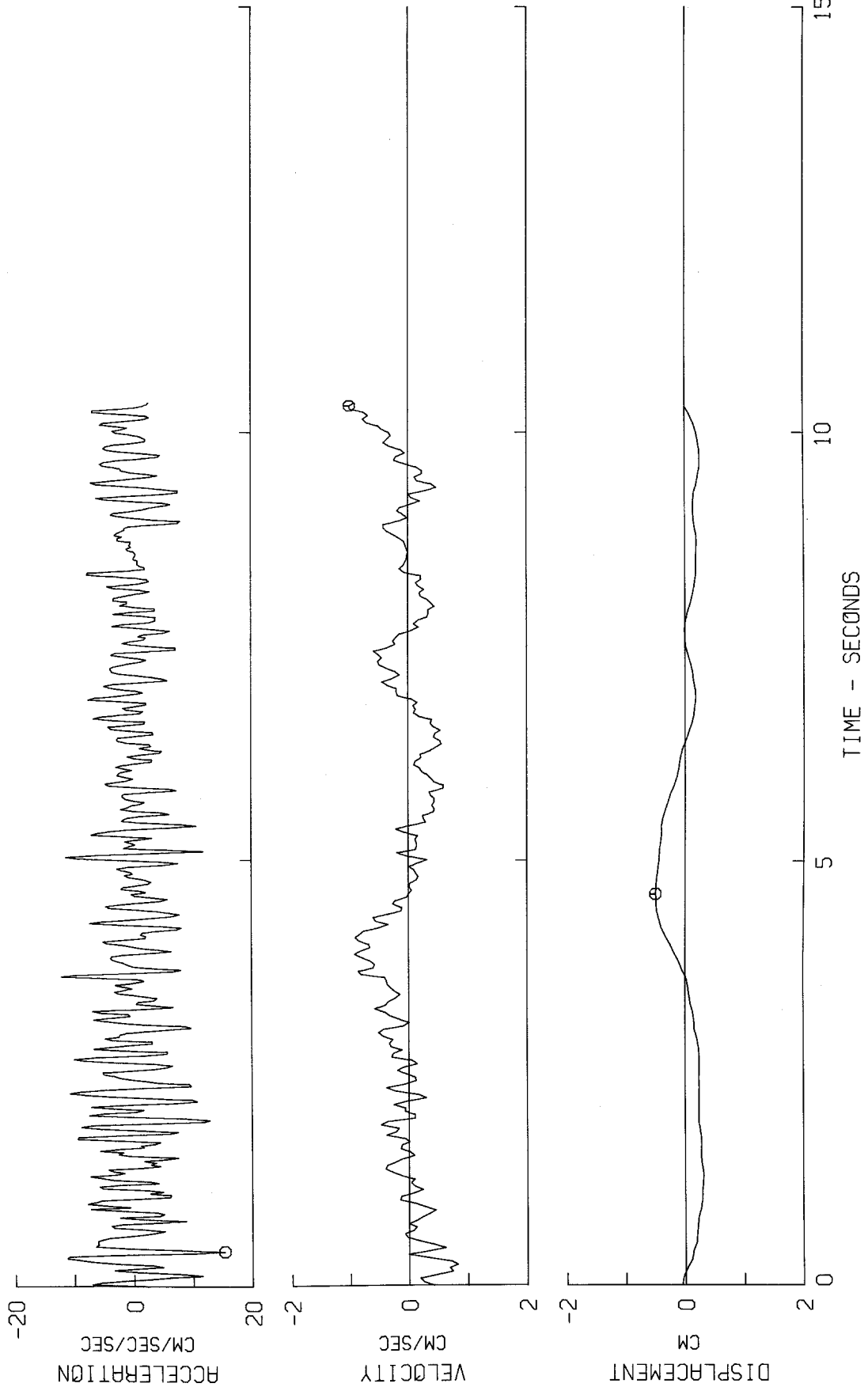
PEAK VALUES : ACCEL = -20.6 CM/SEC/SEC VELOCITY = 1.3 CM/SEC DISPL = -0.7 CM



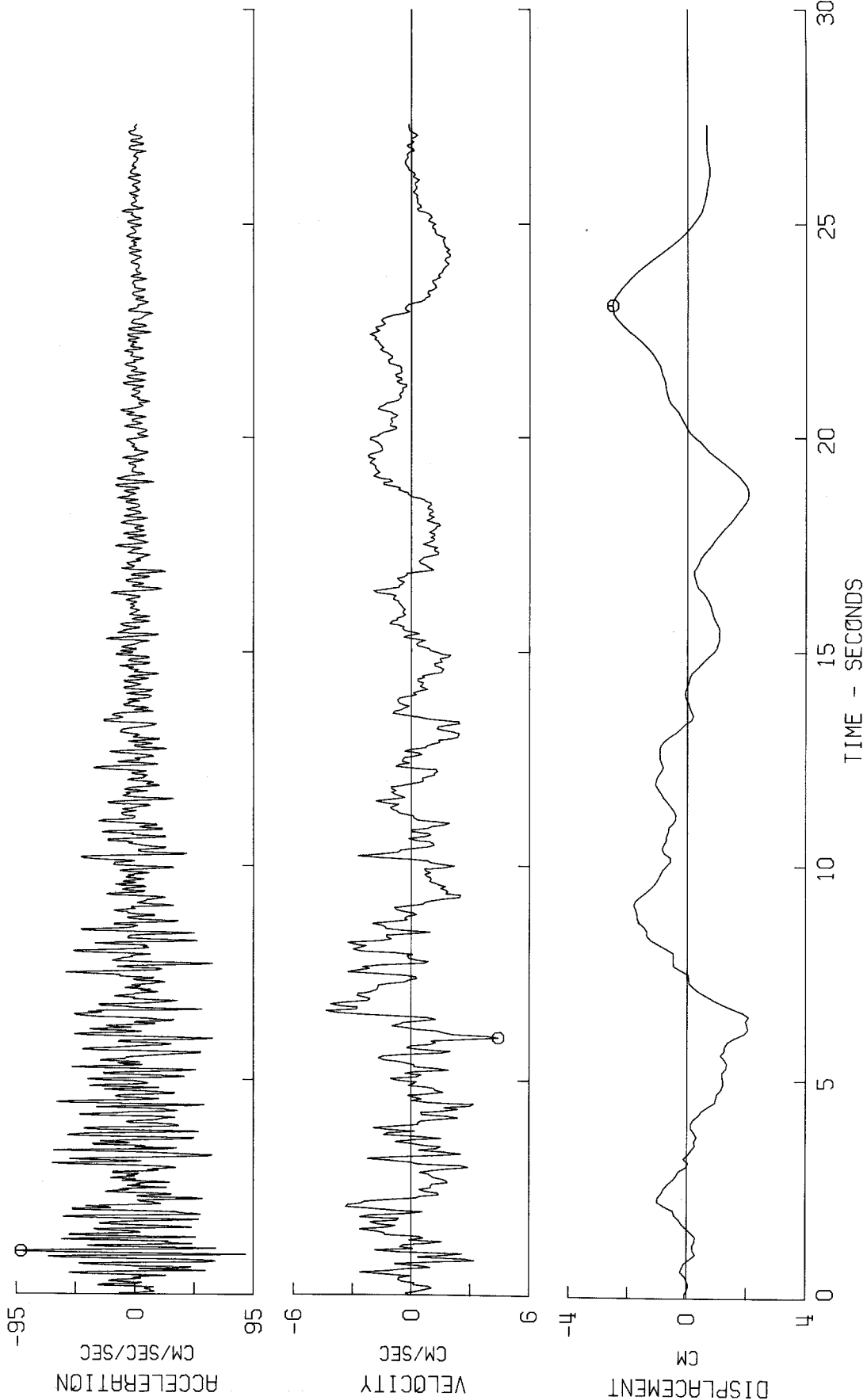
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

IIF102 71.143.0 FT. TEJON, TEJON, CAL. COMP DOWN

⊙ PEAK VALUES : ACCEL = 15.3 CM/SEC/SEC VELOCITY = -1.0 CM/SEC DISPL = -0.5 CM

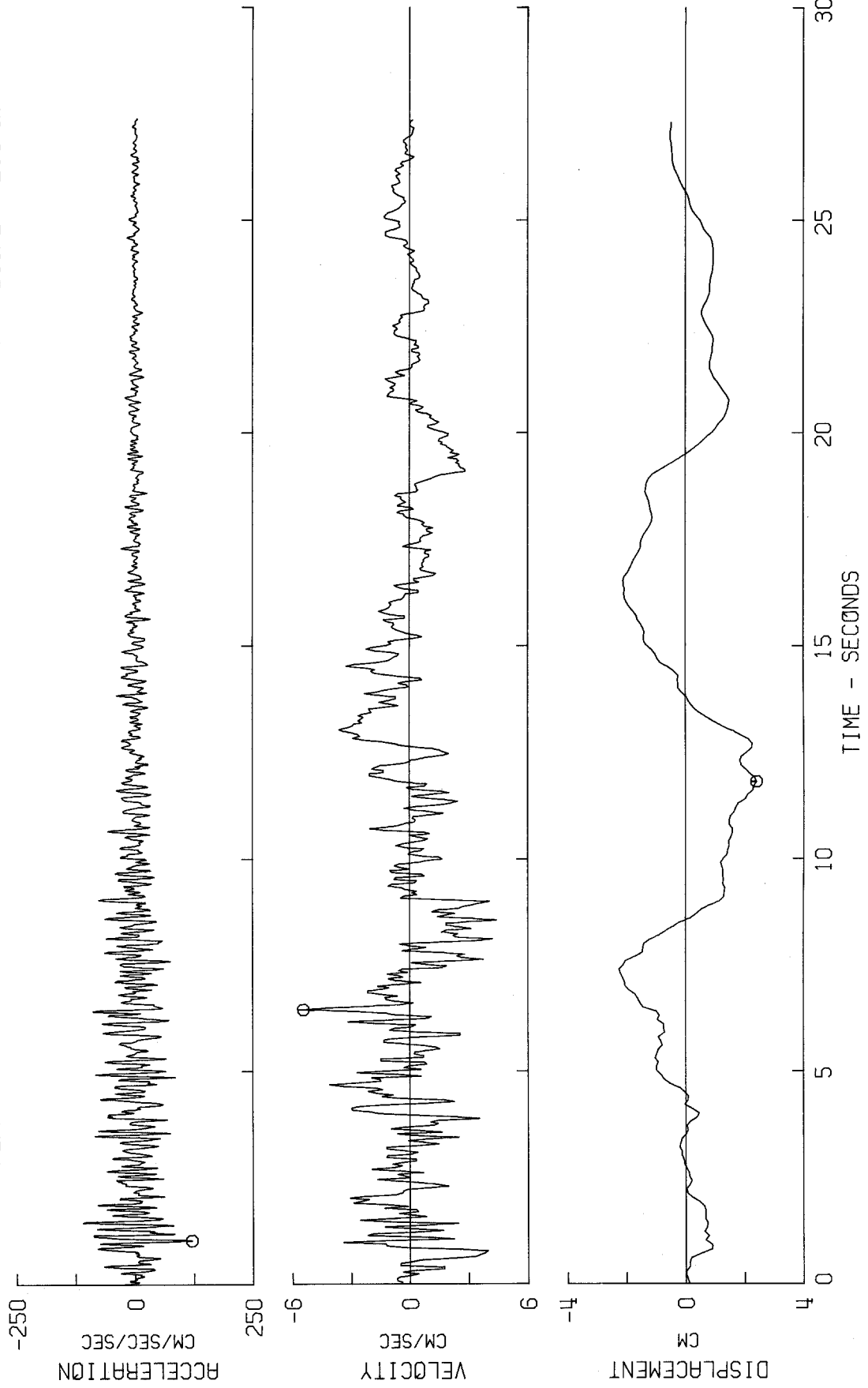


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF103 71.144.0 PUMPING PLANT, PEARBLOSSOM, CAL. COMP NOOE  
 ○ PEAK VALUES : ACCEL = -91.5 CM/SEC/SEC VELOCITY = 4.4 CM/SEC DISPL = -2.5 CM

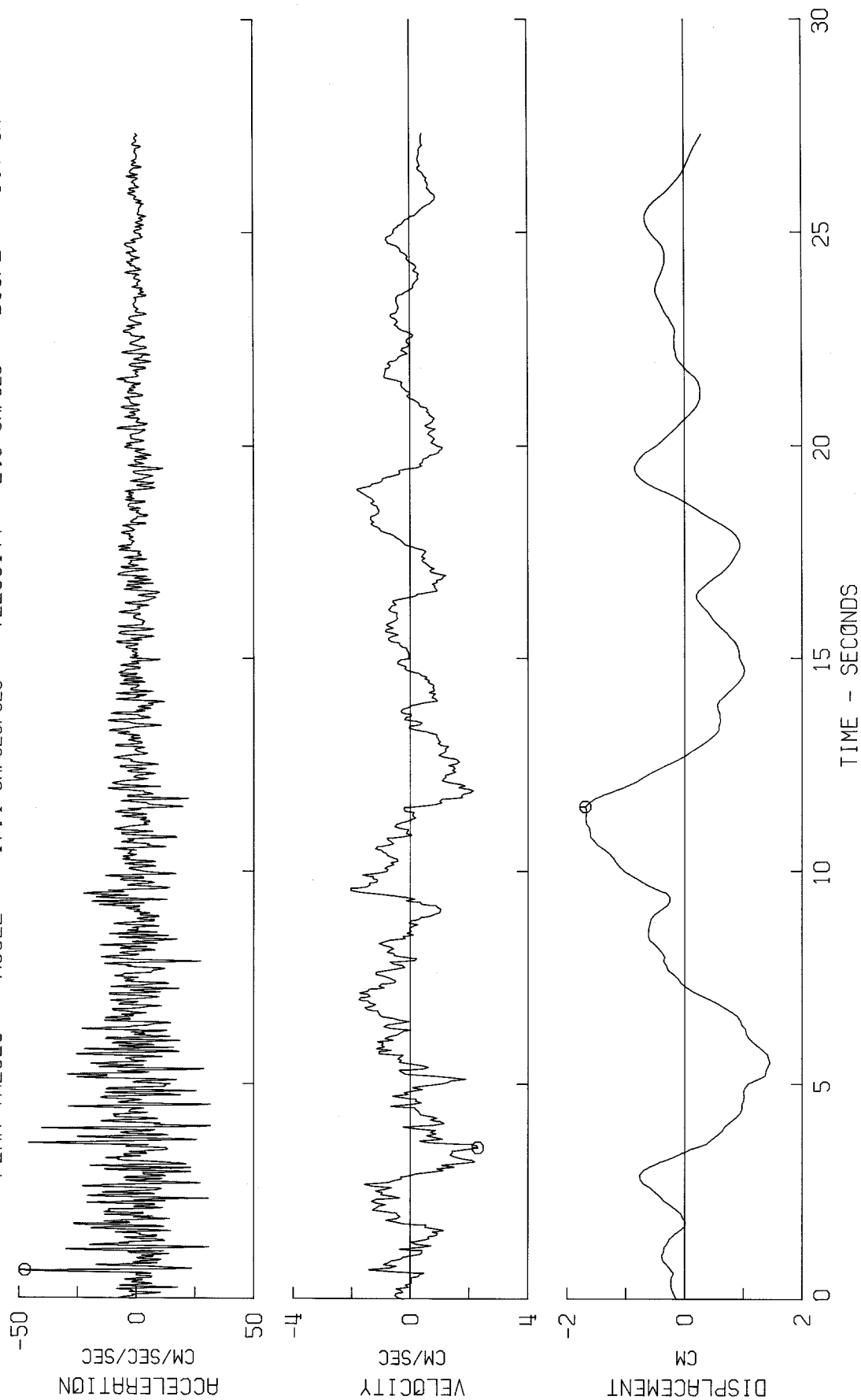




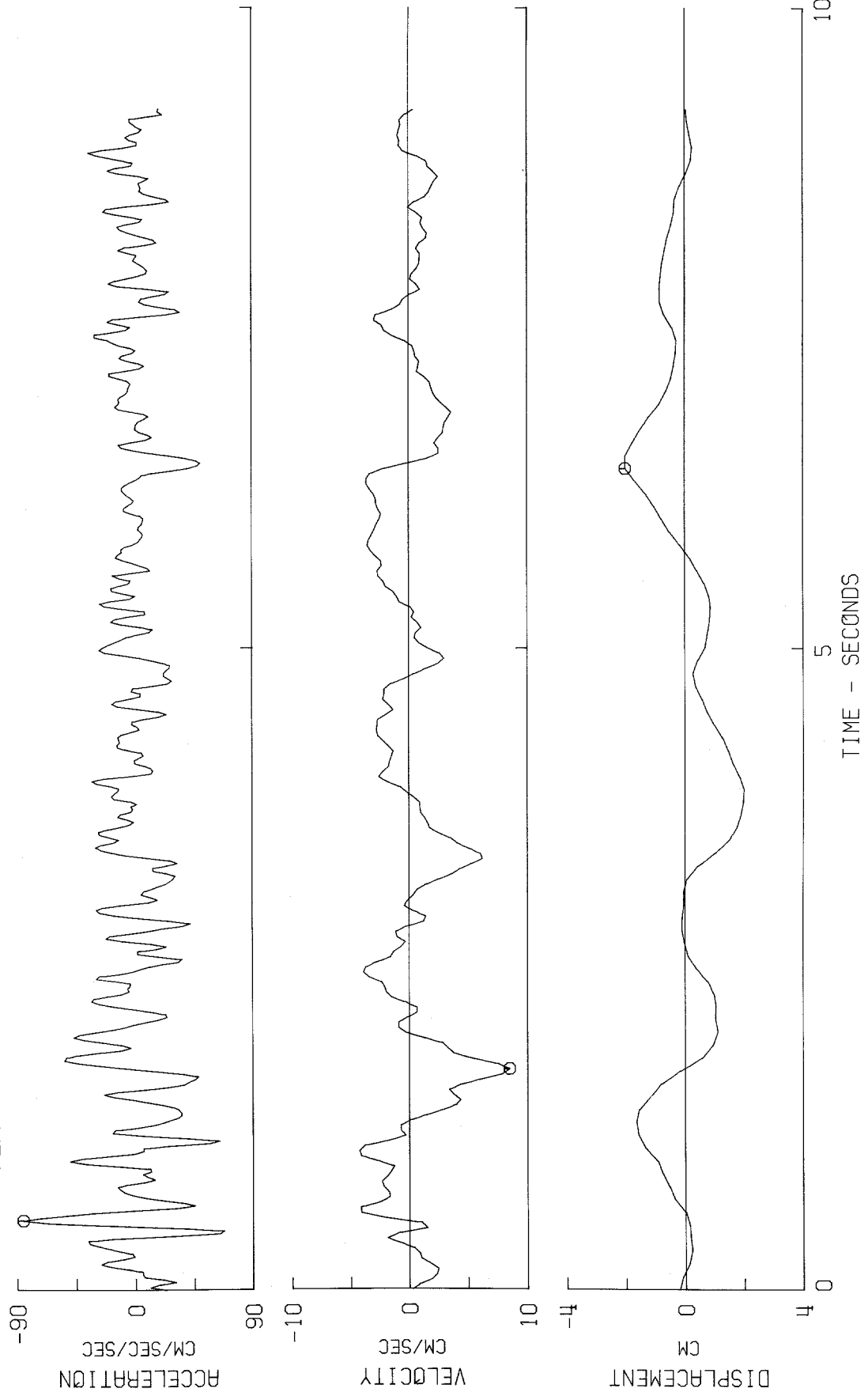
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF103 71.144.0 PUMPING PLANT, PEARLBLOSSOM, CAL. COMP N90W  
PEAK VALUES : ACCEL = 120.5 CM/SEC/SEC VELOCITY = -5.4 CM/SEC DISPL = 2.4 CM



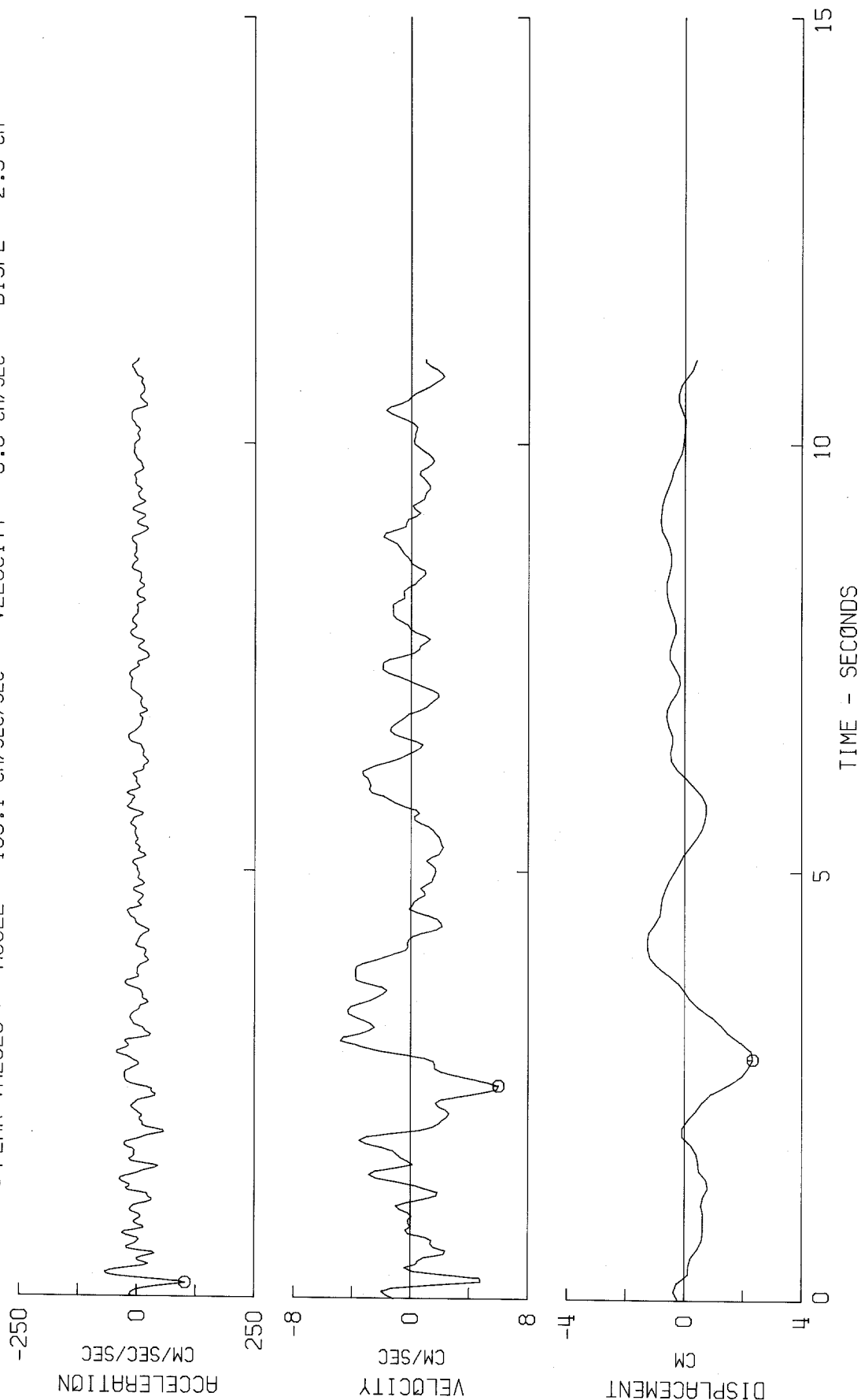
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF103 71.144.0 PUMPING PLANT, PEARLBLOSSOM, CAL. COMP DOWN  
 Ø PEAK VALUES : ACCEL = -47.4 CM/SEC/SEC VELOCITY = 2.3 CM/SEC DISPL = -1.7 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF104 71.146.0 080 PUMPING PLANT, GORMAN, CAL. COMP NOOE  
PEAK VALUES : ACCEL = -85.2 CM/SEC/SEC VELOCITY = 8.5 CM/SEC DISPL = -2.0 CM

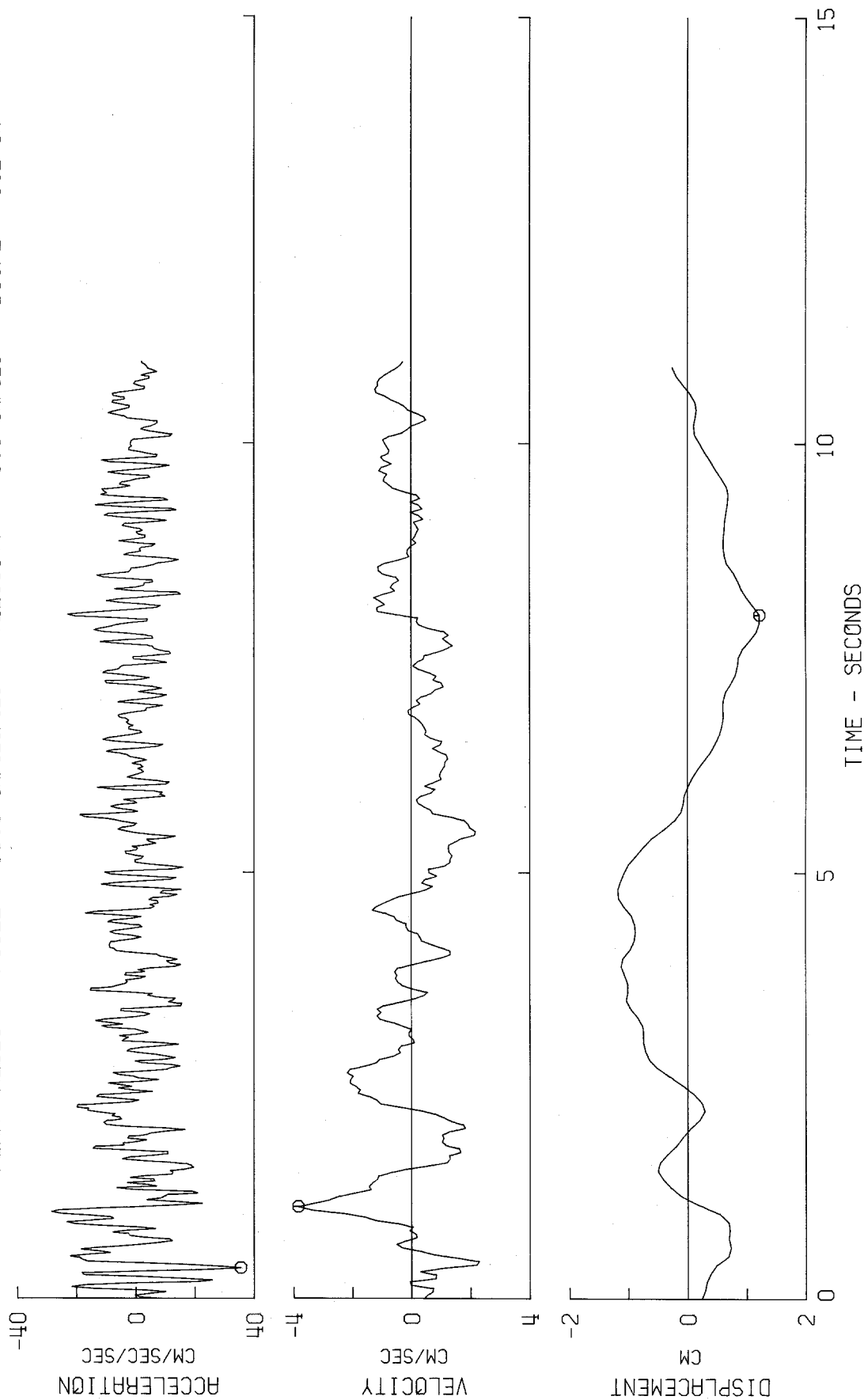


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF104 71.146.0 080 PUMPING PLANT, GORMAN, CAL. COMP N90W  
 PEAK VALUES : ACCEL = 103.1 CM/SEC/SEC VELOCITY = 6.0 CM/SEC DISPL = 2.3 CM

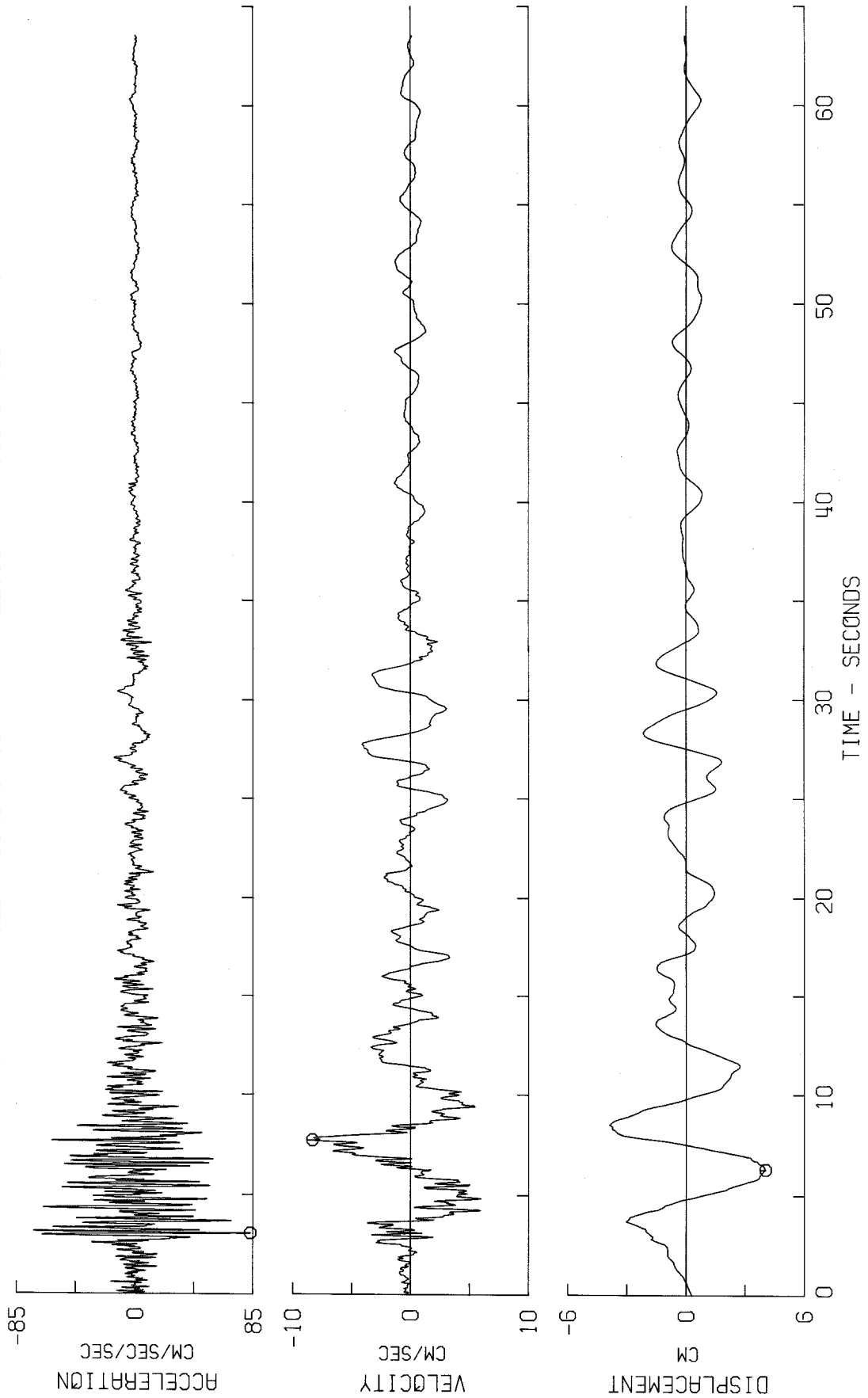


SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 IIF104 71.146.0 050 PUMPING PLANT, GORMAN, CAL. COMP DOWN

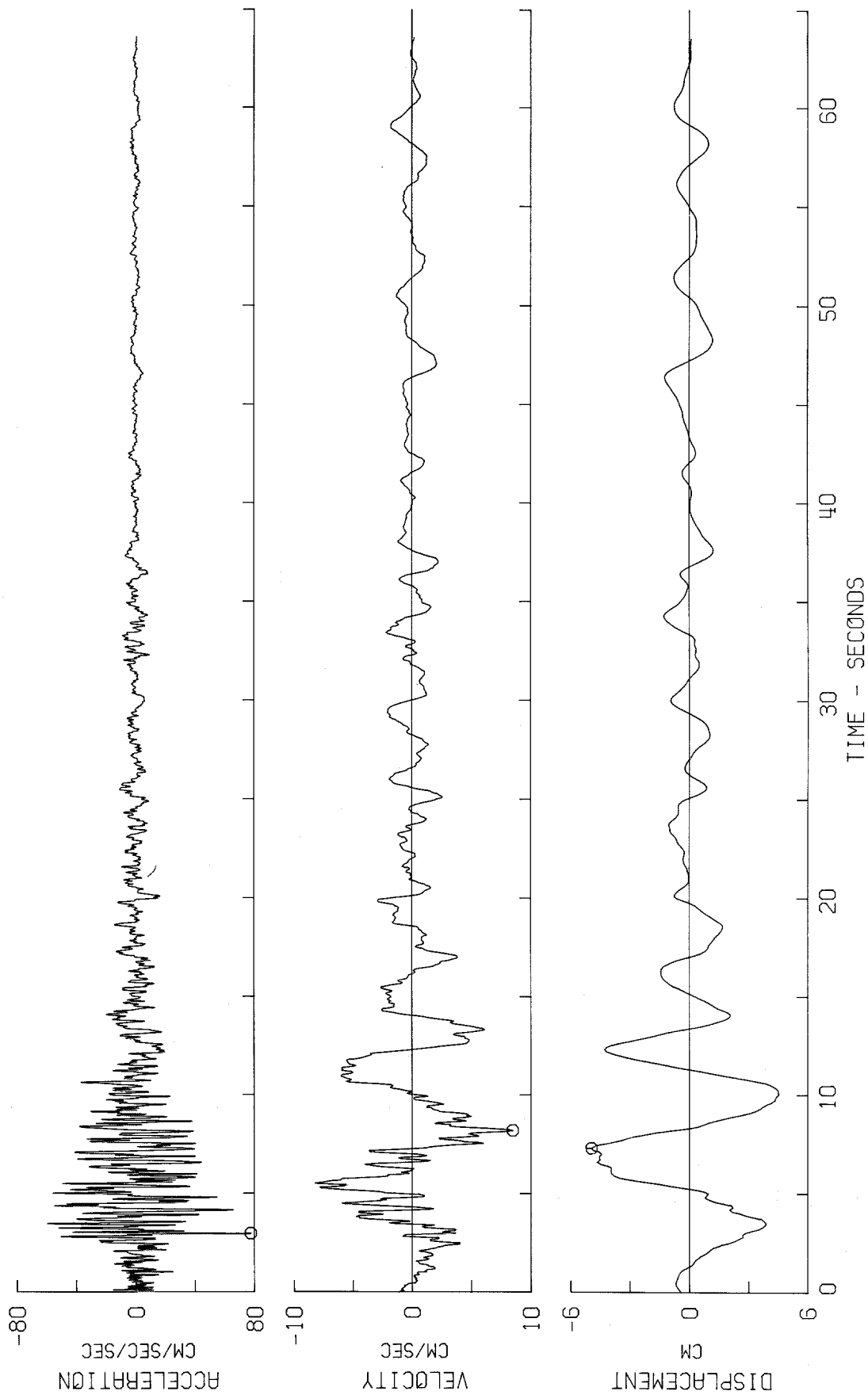
PEAK VALUES : ACCEL = 35.5 CM/SEC/SEC VELOCITY = -3.8 CM/SEC DISPL = 1.2 CM



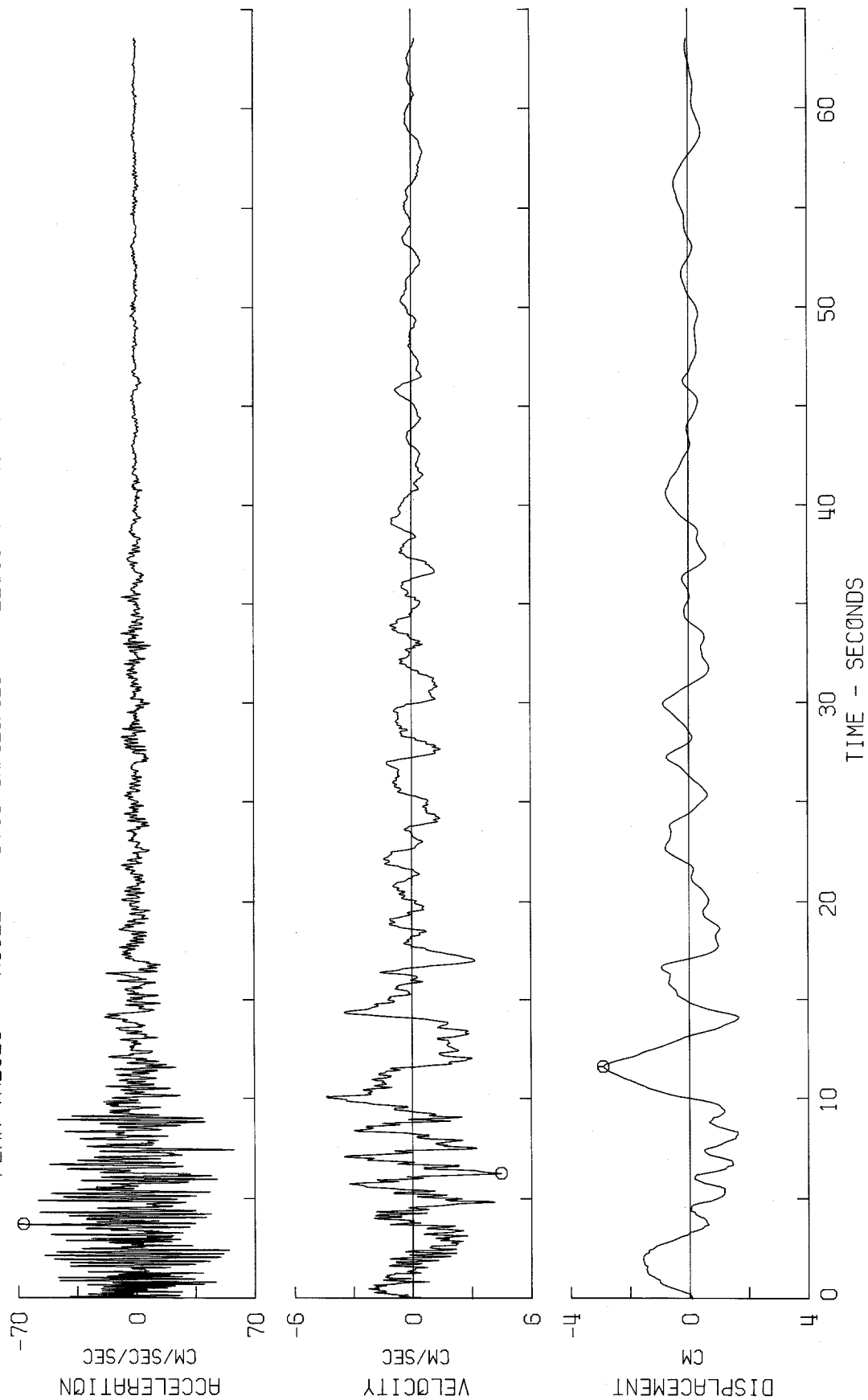
SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF105 71.147.0 UCLA REACTOR LABORATORY, LOS ANGELES, CAL. COMP S00W  
O PEAK VALUES : ACCEL = 83.1 CM/SEC/SEC VELOCITY = -8.3 CM/SEC DISPL = 4.0 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
IIF105 71.147.0 UCLA REACTOR LABORATORY, LOS ANGELES, CAL. COMP N90E  
○ PEAK VALUES : ACCEL = 77.6 CM/SEC/SEC VELOCITY = 8.5 CM/SEC DISPL = -4.9 CM



SAN FERNANDO EARTHQUAKE FEB 9, 1971 -- 0600 PST  
 IIF105 71.147.0 UCLA REACTOR LABORATORY, LOS ANGELES, CAL. COMP UP  
 ○ PEAK VALUES : ACCEL = -67.1 CM/SEC/SEC VELOCITY = 4.5 CM/SEC DISPL = -2.9 CM





II086 71.100.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 288 VERNON, CMD BLDG., CAL.  
 INSTR PERIOD = 0.0650 SEC DAMPING = 0.528 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP N83W 34 CO 00N, 118 12 00W

PEAK VALS ACIN = 104.6 CM/SEC/SEC AT 7.36 SEC VELO = 17.5 CM/SEC AT 7.66 SEC DISP = 14.8 CM AT 10.06 SEC

INITIAL VELO = 1.58636 CM/SEC INITIAL DISP = 0.94512 CM

3904 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-30	-28	-12	24	47	32	9	3	-2	-11	-9	-2	-3	-10	-5	3	15	14	8	11
17	13	-4	-9	-4	-15	-33	-40	-30	-10	-5	-8	4	22	14	-24	-48	-56	-53	-28
-5	-12	-21	-12	3	16	31	33	16	7	6	8	-15	-71	-105	-112	-116	-105	-65	7
83	135	150	126	75	7	-66	-97	-99	-101	-109	-119	-129	-106	-12	95	129	85	23	-32
-83	-125	-161	-205	-265	-311	-214	-279	-239	-207	-156	-82	-24	33	132	244	330	366	372	395
454	529	565	492	373	146	-165	-306	-263	-151	-65	-16	4	-4	-25	-72	-121	-107	-55	-231
-379	-384	-318	-271	-265	-252	-240	-215	-108	5	71	192	203	52	53	148	161	60	-62	-112
-91	-41	-7	-82	-194	-128	68	223	276	264	173	30	-112	-241	-246	-88	107	202	218	156
61	71	180	289	285	215	177	157	134	25	-157	-261	-229	-85	105	217	58	-148	-180	-173
-157	-69	37	102	201	244	89	-104	-257	-378	-442	-466	-468	-446	-414	-360	-244	-221	-340	-389
-338	-291	-267	-213	-121	71	238	268	275	231	70	-224	-468	-522	-525	-512	-487	-197	275	483
549	682	701	490	341	204	168	420	566	594	612	565	569	647	687	655	578	445	280	153
59	-31	-170	-340	-406	-462	-596	-757	-808	-473	-174	-70	-24	-66	-130	-157	-122	-72	-75	-139
-197	-214	-200	-187	-219	-299	-353	-253	-2	275	472	532	460	310	246	219	83	-56	-34	72
224	480	569	507	457	403	234	-82	-415	-675	-814	-820	-743	-566	-194	177	266	181	7	-235
-366	-363	-276	-165	-54	113	163	65	-45	-155	-171	-8	166	226	205	114	48	73	100	71
43	65	140	300	505	630	646	560	370	179	89	71	38	-24	-70	-41	25	60	78	98
97	45	11	78	228	338	315	223	177	160	22	-230	-407	-392	-256	-235	-360	-448	-447	-461
-514	-554	-468	-217	88	382	683	930	1046	1036	912	708	563	542	581	627	636	556	418	264
153	137	113	-44	-281	-515	-607	-444	-138	217	456	474	386	162	-163	-413	-533	-521	-321	17
244	273	276	322	354	257	38	-109	-161	-167	-138	-67	32	55	-80	-281	-422	-502	-492	-368
-191	-29	87	100	3	-178	-343	-408	-407	-377	-272	-96	56	105	60	-25	-91	-104	-58	-116
-125	-70	-6	24	31	25	-14	-122	-204	-195	-63	133	210	181	128	74	22	-55	-158	-251
-293	-240	-157	-163	-81	-81	15	57	-7	-110	-136	-117	-98	-76	-46	5	87	182	236	212
130	60	85	109	140	139	103	46	-8	-29	-33	-60	-122	-194	-256	-285	-285	-269	-247	-199
-143	-174	-185	-163	-140	-140	-152	-206	-250	-250	-238	-258	-319	-404	-470	-492	-476	-417	-350	-315
-311	-332	-354	-358	-335	-249	-133	-30	69	108	40	-65	-131	-229	-315	-283	-112	96	208	263
311	325	277	200	141	109	88	30	-79	-179	-202	-158	-95	-51	-53	-58	-26	21	46	32
23	56	126	213	270	309	361	405	422	385	333	286	214	151	136	161	173	142	105	91
46	-113	-271	-330	-326	-304	-287	-268	-247	-234	-233	-219	-178	-128	-85	-47	-17	-8	-5	4
32	109	191	229	239	256	283	279	226	139	94	115	137	130	114	56	94	137	172	154
141	160	184	202	182	142	116	97	76	59	49	56	85	136	195	240	239	219	188	148
109	72	33	-4	-24	-22	-7	7	3	-23	-49	-76	-110	-134	-133	-117	-84	-41	-8	6
8	14	35	58	56	25	-7	-27	-24	-10	3	38	93	138	165	184	195	185	168	162
164	151	119	86	85	137	212	270	279	245	154	29	-31	-16	20	69	107	120	146	181
193	163	88	-16	-112	-159	-161	-129	-60	33	122	155	122	59	12	-8	-5	24	68	111
129	131	139	143	127	78	-16	-104	-136	-131	-104	-73	-62	-56	-33	1	34	61	72	59
33	5	-23	-55	-118	-181	-223	-254	-269	-255	-195	-132	-114	-127	-154	-191	-216	-213	-157	-56
2	7	15	36	45	23	-15	-44	-51	-43	-42	-66	-88	-85	-65	-40	4	39	58	50
20	-1	6	29	19	-69	-162	-180	-158	-132	-122	-142	-177	-214	-262	-301	-257	-264	-227	-194

-167	-150	-155	-170	-182	-184	-158	-97	-40	-17	-25	-52	-88	-130	-151	-143	-124	-105	-90	-77
-71	-96	-141	-169	-167	-154	-134	-113	-99	-99	-107	-106	-89	-64	-32	-11	-15	-31	-47	-52
-43	-43	-77	-124	-169	-226	-266	-260	-194	-97	-11	14	7	-5	-5	3	40	98	152	182
187	177	153	127	108	104	112	120	127	135	133	115	107	116	125	131	136	139	143	164
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89	98	117	142	162	172	171	163	158	155	155	157	159	159	158	103	103	78	69	68
70	89	116	135	144	150	148	141	93	14	-24	-32	-35	-33	-30	-25	-20	-17	-9	-6
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23	23	22	20	13	2	-5	-6	-5	-2	2	4	4	2	0	-2	-5	-4	0	5
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32	32	31	30	29	30	31	33	34	32	24	17	13	8	9	12	16	20	21
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11F086 71.100.0  
STATION NO. 288  
INSTR PERIOD = 0.0640 SEC

SAN FERNANDO EARTHQUAKE  
VERNON, CMD BLDG., CAL.

FEB 9, 1971 - 0600 PST  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP S07W 34 00 00N, 118 12 00W

PEAK VALS ACCLN = 80.5 CM/SEC/SEC AT 6.12 SEC VELC = -15.1 CM/SEC AT 12.10 SEC DISP = 10.8 CM AT 11.32 SEC  
INITIAL VELO = -0.32466 CM/SEC INITIAL DISP = 0.28286 CM

3898 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

54	-27	-4	-7	179	191	102	7	20	-261	-113	-250	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
-27	-41	-51	-26	171	358	135	32	73	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
-4	13	26	9	-6	291	131	66	60	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
-7	-62	-105	-102	-81	395	156	131	-6	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
179	171	138	97	60	291	131	66	60	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
191	358	395	291	66	291	131	66	60	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
102	135	156	131	-6	291	131	66	60	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
7	79	32	-24	-18	395	156	131	-6	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
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-261	-293	-258	-209	-64	395	156	131	-6	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
-113	-201	-335	-432	-401	395	156	131	-6	-261	-335	-432	-401	-292	-150	-14	-52	-62	-52	-22	5	27	42	50	45	29	11	0	-11
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IIF086 71.100.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 288 VERNON, CMD BLCG., CAL. COMP UP 34 00 00N, 118 12 00W  
INSTR PERIOD = 0.0630 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -42.7 CM/SEC/SEC AT 3.04 SEC VELO = -6.7 CM/SEC AT 17.20 SEC DISP = 4.0 CM AT 15.94 SEC

INITIAL VELO = 0.73437 CM/SEC INITIAL DISP = 0.02585 CM

3894 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

60	62	-106	-231	-247	-226	-182	-87	54	148	166	163	157	135	78	15	-80	-163	-105	-1
23	64	181	180	84	77	75	7	-104	-129	-102	-72	91	205	187	179	200	188	36	-122
-124	-42	-275	-173	-25	33	-11	-40	-35	-141	-299	-349	-198	91	218	201	211	214	173	120
-3	-203	-275	-173	-25	40	43	52	106	163	48	-92	-161	-258	-278	-134	51	100	89	137
156	81	-76	-176	-189	-162	-42	73	62	1	51	203	141	-43	-85	58	145	84	7	33
47	35	77	109	103	-21	-191	-263	-241	-194	-154	-107	-46	10	38	53	49	13	-14	-38
-149	-269	-228	-39	93	84	57	33	-55	-102	-86	-128	-157	-160	-124	1	116	100	0	-75
-84	-123	-156	-145	-120	-26	110	259	376	365	161	-220	-427	-347	-174	83	183	54	-87	-135
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287	-16	-313	-350	-239	-130	-13	76	55	-46	-145	-100	42	77	3	-51	-77	-108	-124	-68
63	125	116	132	142	119	10	-129	-141	-74	-64	-63	-2	54	66	58	149	166	170	91
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198	212	232	167	49	5	-32	-124	-175	-174	-126	-24	64	71	73	132	123	28	-42	-32
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-74	19	71	-12	-144	-69	34	-13	-71	-116	-121	-34	45	67	82	58	-75	-212	-237	-222
-182	-75	22	106	265	347	243	13	-230	-372	-250	-20	11	-28	14	87	58	57	45	78
64	26	0	-111	-208	-151	25	111	53	11	7	2	0	15	-6	-87	-111	-65	48	210
208	45	-46	-54	-5	85	184	244	226	154	60	-65	-227	-315	-238	-56	18	55	65	141
201	202	166	124	98	114	167	198	217	247	222	129	15	-76	-92	-36	11	58	137	152
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162	212	165	79	60	69	31	-18	-31	-10	39	61	36	23	49	75	64	48	77	90
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37	54	71	31	11	-32	-90	-115	-123	-116	-58	22	56	52	36	35	63	90	45	-34
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IIFC87 71.101.0  
STATION NO. 281

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL.

EPICENTER 34 24 00N, 118 23 42W  
CMP S04E 33 45 00N, 117 52 00W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.0630 SEC DAMPING = 0.574

PEAK VALS ACCLN = 26.8 CM/SEC/SEC AT 5.08 SEC VELC = 5.0 CM/SEC AT 45.10 SEC DISP = -3.6 CM AT 44.22 SEC

INITIAL VELO = 0.50070 CM/SEC INITIAL DISP = 0.25617 CM

4061 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-70	-116	-59	-39	16	54	18	-3	-5	20	51	81	77	14	-50	-50	-14	8	11	7	-15
-43	-62	-50	-1	54	64	64	10	-70	-107	-74	0	58	60	36	24	29	35	24	14	16
27	40	49	41	3	-71	-151	-198	-174	-206	-174	-122	-69	-18	49	135	158	188	145	82	24
7	26	47	54	41	-9	-76	-123	-115	-135	-115	-53	5	8	-17	-33	-24	3	29	37	32
27	19	2	-26	-35	-17	5	-2	-54	-119	-119	-148	-112	-7	95	116	93	71	51	36	17
-17	-72	-127	-155	-155	-126	-63	2	33	55	55	-148	-112	-7	-62	-94	-41	59	119	112	93
91	121	174	151	99	-63	-149	-99	35	117	117	67	-37	-100	-87	-39	5	30	36	24	14
14	18	11	11	53	112	117	49	-36	-74	-102	-70	-15	61	96	55	-23	-66	-29	33	56
13	-61	-109	-111	-59	4	16	-22	-74	-102	-102	-94	-64	-19	32	60	48	7	-33	-55	-70
-67	-2	118	175	128	26	-78	-114	-75	-75	-16	7	-20	-61	-64	-13	76	153	168	109	14
-52	-65	-93	-76	-50	-12	51	100	82	20	20	-49	-82	-64	-33	-17	-24	-48	-62	-53	-23
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17	143	228	224	110	-44	-144	-138	-63	-14	-14	-23	-59	-79	-87	-117	-155	-173	-163	-133	-105
-104	-119	-96	-27	101	226	226	122	19	-16	-16	31	128	196	171	68	-18	-33	-10	6	5
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-49	-77	-79	-47	-2	41	70	91	92	42	42	-20	-52	-73	-98	-117	-121	-113	-99	-68	-17
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[illegible]

IF087 71.101.0  
 STATION NO. 281  
 INSTR PERIOD = 0.0640 SEC DAMPING = 0.574

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S86M 33 45 00N, 117 52 00W  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACIN = 28.2 CM/SEC/SEC AT 2.62 SEC VELC = -8.0 CM/SEC AT 40.58 SEC DISP = -5.7 CM AT 42.24 SEC

INITIAL VELO = 0.26726 CM/SEC INITIAL DISP = 0.45145 CM

4060 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS CF 0.02 SEC

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21	-30	-76	-116	-139	-143	-132	-112	-104	-120	-152	-176	-158	-102	-13	94	158	148	57	43
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IIF087 71.101.0  
 STATION NO. 281  
 INSTR PERIOD = 0.0640 SEC DAMPING = 0.574  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 ENGINEERING BUILDING, SANTA ANA, ORANGE COUNTY, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER 34 24 00N, 118 23 42W  
 COMP UP 33 45 00N, 117 52 00W

PEAK VALS ACCLN = 16.7 CM/SEC/SEC AT 2.52 SEC VELO = 2.4 CM/SEC AT 66.36 SEC DISP = -1.7 CM AT 63.52 SEC

INITIAL VELO = -0.16815 CM/SEC INITIAL DISP = 0.03660 CM

4055 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

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IIF088 71.102.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 122 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL. COMP S70E 34 08 00N, 118 14 50W  
 INSTR PERIOD = 0.0620 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 265.7 CM/SEC/SEC AT 5.08 SEC VELO = -30.8 CM/SEC AT 6.26 SEC CISP = 11.1 CM AT 4.60 SEC

2723 INSTRUMENT AND BASELINE CORRECTED DATA IN										AT EQUALLY-SPACED INTERVALS OF										0.02 SEC									
INITIAL VELC = -1.26014 CM/SEC										INITIAL DISP = -0.15117 CM																			
107	-130	-165	-11	57	97	70	18	15	-10	-69	-18	70	67	-6	-32	0	1	-33	-51	1314	1600	1627	1741	2050	2251	2222	2058	1782	1316
-6	52	-32	-150	-90	12	-1	-17	16	-17	-140	-176	-75	-7	65	128	77	27	34	67	216	116	-301	-713	-963	-1172	-1268	-1237	-1236	-1371
86	23	-23	30	60	9	-53	-57	-32	-33	-1	43	-50	-127	13	208	227	81	53	142	-725	-419	-56	3	72	385	860	1183	1236	1356
120	46	91	316	681	982	1040	812	310	-179	-423	-661	-1053	-1407	-1334	-499	405	509	-53	-843	466	22	-367	-604	-743	-1021	-1287	-1580	-1528	-1435
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-268	-260	-266	-292	-312	-282	-218	-184	-211	-241	-154	-75	27	65	50	11	-34	-52	-7	82	-268	-260	-266	-292	-312	-282	-218	-184	-211	-241

156	175	144	110	119	157	174	150	110	81	51	10	-41	-64	-51	-70	-139	-215	-284	-365
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213	201	112	42	45	75	120	167	169	148	127	68	-9	-29	-25	-54	-71	-57	-43	-24
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-62	-68	-99	-137	-144	-96	-32	-27	-57	-85	-99	-92	-69	-33	1	12	0	4	37	76
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24	19	1	-20	-40	-46	-37	-15	11	19	16	19	39	78	99	87	53	10	5	29
36	10	-34	-53	-48	-33	-6	19	19	-14	-52	-56	-19	24	15	-21	-43	-35	-9	2
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-11	10	-1	-21	-17	17	67	95	73	35	32	44	26	-26	-74	-81	-23	59	105	121
97	78	126	179	164	92	6	-77	-112	-97	-103	-135	-171	-208	-226	-195	-125	-54	4	76
151	162	144	171	184	139	55	-4	-22	-75	-162	-210	-205	-184	-167	-143	-76	27	108	128
123	154	204	232	182	47	-65	-117	-138	-117	-84	-65	-78	-92	-31	94	211	277	280	222
144	70	-29	-161	-252	-267	-251	-213	-148	-87	-34	42	123	216	327	381	360	304	236	151
55	-32	-134	-242	-332	-416	-452	-412	-335	-234	-109	15	110	181	235	233	174	111	64	49
55	33	-33	-114	-182	-218	-220	-216	-223	-198	-133	-65	-39	10	11	-19	-26	-8	15	52
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IIF088 71.102.0  
 STATION NO. 122  
 INSTR PERIOD = 0.0590 SEC DAMPING = 0.621  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL.  
 ACCELEROGRAPH IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -209.1 CM/SEC/SEC AT 5.56 SEC VELO = 23.5 CM/SEC AT 5.12 SEC DISP = -5.3 CM AT 4.52 SEC

INITIAL VELC = 2.76555 CM/SEC INITIAL DISP = -0.65250 CM

2724 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-166	181	255	55	-225	-360	-297	-220	-213	-157	-34	10	-8	-31	-10	92	136	22	-2	90
122	151	100	-84	-256	-333	-279	-137	-32	-31	-45	29	138	151	142	81	-62	-49	53	99
68	18	-63	-194	-235	-154	-12	2	-88	-20	121	157	190	193	118	-6	-90	-38	132	240
159	107	321	802	1167	1144	881	440	-88	-428	-520	-611	-722	-744	-615	-423	-398	-589	-912	-1160
-1216	-1236	-1204	-1129	-854	-141	495	651	560	555	832	1063	1156	1062	682	493	665	886	498	319
229	212	115	-57	-31	242	446	479	359	126	45	224	307	114	-322	-673	-666	-629	-804	-1029
-1079	-690	558	398	199	-464	-1010	-967	-526	-526	-663	-653	-255	262	753	1292	1390	794	269	190
380	662	558	-109	-822	-1184	-1255	-1008	-320	554	1097	1223	875	269	-157	-124	334	811	565	876
518	-81	-433	-377	-2	520	793	736	312	-239	-454	-360	-278	-330	-450	-591	-656	-565	-549	-778
-1001	-1026	-932	-618	-116	22	-129	-314	-471	-288	-69	-159	-315	-351	-365	-247	-86	99	242	392
525	599	672	757	934	1179	1322	1171	643	40	-295	-306	-30	288	407	165	-251	-687	-1049	-1208
-1113	-848	-631	-459	-323	-265	-278	-447	-721	-912	-897	-522	248	726	804	888	813	539	243	-34
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-1390	-1022	-242	548	1048	1011	526	-63	-604	-878	-768	-286	82	222	237	-137	-921	-1692	-2091	-2037
-1620	-1224	-901	-725	-693	-617	-438	-208	118	256	358	212	39	-172	-321	-364	-461	-560	-577	-567
-413	-175	172	498	740	995	-678	1434	1510	1514	1452	1377	1354	1394	1377	1272	1105	831	353	-152
-449	-553	-446	-204	-7	-121	-678	-1406	-1812	-1481	-711	-33	416	564	431	124	-284	-405	-70	350
572	486	117	-368	-768	-1024	-1130	-1181	-1169	-1134	-1096	-1033	-588	-869	-624	-249	276	602	520	209
-114	-371	-471	-329	-99	23	149	402	647	764	729	627	561	537	652	886	993	889	668	282
-127	-311	-298	-226	-169	-211	-343	-443	-387	-194	8	187	194	-4	-156	-229	-98	8	31	-10
-68	-56	55	201	358	450	363	210	142	237	494	672	578	329	30	-232	-350	-209	55	312
332	102	-208	-474	-635	-713	-735	-755	-797	-773	-732	-737	-704	-498	-200	22	124	54	1	144
371	586	669	619	534	511	562	639	693	687	664	503	151	-134	-268	-244	-123	4	105	90
73	149	175	72	-61	-179	-241	-186	-141	-214	-309	-281	-88	214	563	722	725	732	749	735
659	560	480	341	98	-169	-386	-436	-329	-242	-319	-547	-640	-1038	-1106	-1041	-944	-847	-656	-422
-162	77	247	377	472	506	533	545	433	249	63	157	-375	-513	-476	-333	-218	-126	-64	-32
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201	168	94	45	19	-6	1	26	-100	-100	-143	-104	-38	-10	-30	-77	-138	-171	-141	-111
-86	-30	-12	-42	-51	-59	-79	-73	-69	-61	-28	12	42	36	23	32	50	65	15	78
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IIF088 71.102.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 122 633 EAST BROADWAY, MUNICIPAL SERVICE BLDG., GLENDALE, CAL.  
 INSTR PERIOD = 0.0620 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 08 00N, 118 14 50W  
 BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 131.5 CM/SEC/SEC AT 6.24 SEC VELO = 15.6 CM/SEC AT 7.50 SEC DISP = 5.6 CM AT 7.78 SEC

INITIAL VELO = 0.67300 CM/SEC INITIAL DISP = 1.13396 CM

2726 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

80	-84	-198	-170	56	302	309	130	-150	-425	-367	-242	-322	-155	242	172	-100	6	134	-98
-187	-69	-70	188	377	331	400	318	-51	-181	-14	-94	-154	-18	-322	-629	-545	-395	-243	29
586	942	734	84	-269	-406	-640	-372	133	176	76	246	227	-11	12	212	405	480	167	-197
-309	-234	75	193	-196	-454	-531	-508	-119	252	333	277	48	-246	-131	286	208	-247	-94	258
417	152	-275	-229	-153	-172	-492	-756	-473	160	723	662	535	770	715	116	-475	-464	26	215
-54	-41	126	-42	72	299	-44	-550	-429	266	426	-171	-363	106	295	211	52	-400	-778	-796
-635	-572	-743	-546	213	620	546	430	250	308	211	78	195	424	543	91	-346	-179	106	179
194	330	613	656	386	-93	-641	-734	-520	-294	-192	-371	-454	34	465	272	13	176	280	-193
-399	-245	82	595	504	119	391	411	-62	-164	-112	29	113	-202	-521	-211	241	-271	-653	-266
-384	-631	-544	-562	-706	-523	-238	-80	391	655	709	694	665	832	763	639	465	-333	-624	-480
0	239	-83	-385	-141	107	47	69	357	612	858	555	-91	20	462	330	-163	-523	-265	194
234	57	238	90	-469	-368	-193	-359	-322	16	254	-171	-602	-267	128	104	74	64	-45	-292
-512	-505	-665	-812	-631	-236	277	436	110	-56	172	275	-134	-410	-60	556	866	441	-97	-29
347	400	-22	-586	-812	-714	-691	-538	-203	29	79	139	405	533	458	767	1082	1010	801	609
353	355	451	321	225	343	434	339	293	94	-238	-293	-215	-416	-744	-666	-338	-323	-690	-924
-858	-864	-848	-876	-979	-756	-833	-373	-341	66	761	1234	1315	1104	558	38	88	474	509	423
375	358	410	367	387	726	538	824	518	210	224	398	216	-245	-625	-374	80	-5	-263	-384
-363	-260	-17	96	-217	-459	-500	-659	-544	-1098	-1016	-877	-618	-204	36	-130	-87	244	282	139
197	466	702	705	794	1049	1073	934	819	777	683	362	277	404	212	-159	-200	45	111	11
-199	-554	-781	-648	-556	-927	-1270	-1212	-1040	-874	-808	-853	-746	-380	-99	-36	101	217	72	-73
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IIF089 71.247.0 SAN FERNAND EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 175 808 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0561 SEC DAMPING = 0.572 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -131.9 CM/SEC/SEC AT 10.22 SEC VELO = -20.8 CM/SEC AT 10.48 SEC CISP = -14.5 CM AT 11.64 SEC

INITIAL VELC = 0.18031 CM/SEC INITIAL DISP = 0.32627 CM

2959 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS CF 0.02 SEC

51	54	77	56	9	1	-26	-77	-78	-82	-77	-11	14	-5	59	86	34	25	15	-1
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-44	-6	29	-26	-58	5	45	33	53	44	-34	-70	-52	5	44	-12	-70	-57	-21	-4
9	22	-6	-24	-20	-24	1	-4	-85	-141	-111	-17	-6	-17	10	7	-38	-11	72	58
13	29	2	-60	-48	11	-9	-102	-99	-9	-15	-52	16	65	35	24	21	36	83	105
44	-53	-104	-22	61	6	-24	-7	-36	-47	20	35	-36	-65	-27	-41	-91	-16	31	-26
-68	-65	-95	-88	43	101	26	1	57	81	14	-13	-34	-93	-105	-105	-108	-52	25	66
43	45	94	79	38	3	-49	-24	30	21	32	1	-142	-166	64	187	82	5	-7	-25
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-77	-78	22	83	20	-6	8	33	36	-34	-58	2	62	115	39	-90	-110	-32	116	137
91	55	-7	-1	80	4	-131	-100	-25	-41	-91	-85	-40	23	77	30	-77	-106	-87	-48
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467	526	552	413	309	164	40	-80	-527	-1044	-1045	-475	7	-31	-186	-234	-249	-302	-266	-26
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618	391	161	278	411	142	-237	-262	-442	-620	-238	144	-5	-282	-226	108	213	314	536	799
847	622	456	494	516	516	423	258	10	-284	-321	-22	368	506	572	480	488	411	269	64
-234	-471	-482	-303	1	232	29	-232	-69	133	116	21	-191	-414	-657	-1002	-1222	-1125	-722	-295
-82	-365	-680	-729	-675	-699	-668	-421	-148	-91	115	541	840	838	591	488	471	441	556	877
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151	-60	-318	-385	-415	-288	178	579	674	582	475	505	456	246	42	-39	197	430	336	202
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7	4	6	7	12	18	13	5	-4	-9	-24	-15	-18	-20	-23	-25	-24	-24	-24	-22
-20	-21	-23	-23	-22	-22	-22	-20	-15	-10	-12	-12	-14	-14	-12	-11	-8	-6	-5	7
4	9	10	7	5	5	6	10	12	3	-4	-11	-14	-13	-11	-7	-5	0	0	2
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15	16	15	13	11	11	10	8	6	7	7	8	11	15	17	15	14	22	28	19
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9	12	11	3	6	6	2	3	7	11	11	8	3	-4	-3	4	7	6	8	13
11	8	10	10	9	7	6	7	10	14	10	8	6	0	-7	-16	-23	-28	-30	-17
-11	-1	-3	0	3	11	18	12	2	-2	-1	1	-4	-8	-6	1	6	12	18	21
25	30	28	19	12	6	2	1	1	2	2	0	2	7	9	10	10	12	15	18
22	23	19	12	9	7	-1	-5	-7	-4	-4	-11	-12	-10	-8	-6	-4	-3	-3	-3
-4	-11	-18	-20	-24	-33	-44	-44	-36	-34	-38	-36	-31	-28	-30	-33	-34	-30	-23	-18
-13	-7	-8	-17	-27	-33	-28	-22	-28	-28	-16	-6	-4	-7	-7	1	5	1	-3	-2
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10	4	-3	-6	-9	-12	-17	-13	-11	-15	-16	-15	-14	-11	-7	-5	-5	-7	-8	-6
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27	19	0	-2	12	12	8	12	20	17	7	1	-1	-7	-13	-12	-12	-4	2	4
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-8	-32	-39	-30	-19	4	19	14	1	1	4	-1	-3	-4	-17	-32	-33	-22	-7	5
-2	-14	-11	-6	-15	-16	1	19	18	-2	-27	-39	-28	-18	-18	-10	-4	-7	-7	

IIF089 71.247.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 175 808 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0558 SEC DAMPING = 0.517 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S374 34 02 07N, 118 15 03W

PEAK VALS ACCLN = -139.0 CM/SEC/SEC AT 10.08 SEC VELO = -20.7 CM/SEC AT 13.84 SEC DISP = -11.6 CM AT 14.78 SEC

INITIAL VELO = 0.39334 CM/SEC INITIAL DISP = -0.34026 CM

2965 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

48	116	129	46	-14	-39	-77	-80	-68	-29	19	21	7	-14	-50	-41	4	11	-5	-14
4	22	28	48	68	64	38	13	1	2	-6	-28	-32	-14	4	32	49	26	-11	-33
-47	-54	-50	-58	-33	46	79	82	59	3	-34	-37	-29	-11	30	58	36	-16	-21	3
6	30	27	-11	-21	-39	-55	-48	-51	-45	-14	11	9	-9	13	18	-21	-50	-39	49
53	21	45	17	-1	12	30	67	49	-24	-75	-78	-71	-72	-43	17	86	119	88	21
-63	-73	-26	-27	-8	16	11	-32	-35	35	45	-29	-72	-55	-42	-33	-32	-40	-24	40
-136	-170	-77	-21	8	88	71	2	-32	-45	-57	-36	-20	-56	-35	37	20	2	1	-3
44	70	77	58	42	75	-21	-131	-50	76	135	127	129	134	64	-11	-67	-136	-120	-66
2	48	45	45	24	-14	-30	-69	-104	-83	-17	43	3	36	111	18	-91	-126	-116	-76
-24	15	26	28	16	8	-30	-108	-108	-81	-50	-7	-16	-2	56	82	105	117	106	86
67	76	65	-22	-95	-113	-83	-16	6	-20	-7	51	54	-46	-126	-98	-28	-5	-28	39
164	219	157	88	141	263	316	153	-140	-222	-103	76	225	162	-97	-324	-386	-398	-374	-357
-434	-380	-80	-10	-274	-458	-229	373	725	482	164	336	519	73	-317	57	559	557	315	402
387	214	167	19	-63	73	131	-15	-326	-404	-99	218	189	-191	-338	-241	-381	-617	-410	190
380	45	-194	-241	-435	-566	-247	121	135	104	169	331	280	-28	33	363	246	-45	-92	19
184	302	189	-96	-440	-622	-354	102	363	363	65	-166	-289	-337	-313	14	728	1124	844	250
-2	-182	-505	-588	-329	-6	113	236	151	-162	-313	-322	-176	-19	66	5	-156	-305	-413	-283
121	485	374	-35	-381	-444	-469	-399	-399	216	452	86	-363	-462	-430	-473	-614	-545	-152	96
-20	-37	249	245	20	281	805	857	602	201	-147	-168	-51	174	647	891	746	485	270	328
558	357	151	333	463	373	309	315	162	-170	-379	-501	-507	-270	-93	-107	-106	-138	-454	-802
-525	-119	-322	-756	-755	-515	-254	-160	-181	-36	176	33	-149	-26	56	57	122	499	854	906
699	10	-684	-592	-54	193	37	-143	-115	54	-29	-402	-600	-479	-302	-192	-5	102	53	-26
-175	-359	-317	-115	-13	11	-12	-86	-15	229	280	271	437	653	774	799	709	350	-292	-665
-702	-614	-526	-412	-107	91	-96	-337	-321	-99	163	408	555	581	512	249	-89	-193	-45	255
402	444	560	604	415	107	-108	-115	-31	78	306	482	363	93	-74	-103	-108	-94	7	134
159	10	-399	-1002	-1390	-1305	-774	-126	171	80	-35	-14	102	6	-313	-215	129	104	-11	-23
24	148	184	129	258	333	18	-322	-188	326	679	624	420	292	224	76	-156	-306	-243	-51
180	309	339	330	212	44	-93	-246	-437	-442	-230	-120	-82	14	20	21	198	411	484	466
395	362	455	566	535	375	234	163	89	38	70	203	346	418	357	81	-202	-293	-261	-204
-134	-72	-99	-198	-282	-272	-198	-49	50	49	19	72	147	167	66	-34	-25	-29	55	263
368	321	221	133	73	44	15	-58	-181	-323	-371	-302	-213	-130	40	160	96	5	11	68
65	-44	-136	-109	-81	-147	-206	-158	-121	-192	-315	-390	-434	-517	-505	-361	-281	-297	-341	-364
-353	-351	-374	-337	-229	-154	-130	-114	-89	-67	-70	-103	-105	-89	-160	-277	-305	-256	-239	-264
-285	-267	-245	-264	-331	-383	-425	-465	-436	-257	-171	-122	-109	-163	-203	-139	-42	28	39	-2
-20	-76	-231	-319	-246	-160	-190	-243	-242	-163	-89	-79	-36	105	269	336	289	173	127	210
261	213	149	161	261	360	366	278	186	184	260	286	233	154	73	6	-60	-150	-174	-77
26	73	96	67	77	144	213	270	304	371	460	467	429	435	490	531	504	455	418	403
432	450	426	411	404	333	188	137	184	209	205	157	186	175	165	153	155	199	252	237
164	100	90	132	191	253	318	388	392	267	111	63	119	162	158	117	34	-65	-135	-166
-133	-82	-46	-14	-25	-82	-152	-209	-210	-172	-115	-64	-82	-120	-96	-61	-81	-94	-60	-36

-23	-279	-123	-9	201	55	-85	21	266	-190	-98	-30	-8	-23
-279	-109	-125	-21	205	88	-72	73	273	-202	-235	-288	-314	-279
-123	-149	-125	-21	160	54	-65	102	246	-137	-155	-149	-109	-279
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55	40	-30	-84	-79	-79	-103	102	246	-50	-44	-33	-21	-9
-85	-72	-65	-79	-103	-79	-103	102	246	-50	-44	-33	-21	-9
21	73	102	98	68	68	68	102	246	-50	-44	-33	-21	-9
266	273	246	198	144	144	144	102	246	-50	-44	-33	-21	-9
86	101	117	122	103	103	103	102	246	-50	-44	-33	-21	-9
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-74	-52	-27	-26	-48	-48	-48	102	246	-50	-44	-33	-21	-9
-85	-55	-94	-105	-133	-133	-133	102	246	-50	-44	-33	-21	-9
-37	-57	-75	-66	-25	-25	-25	102	246	-50	-44	-33	-21	-9
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94	86	34	-23	-68	-68	-68	102	246	-50	-44	-33	-21	-9
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113	157	120	43	-20	-20	-20	102	246	-50	-44	-33	-21	-9
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-7	-52	-46	-19	-14	-14	-14	102	246	-50	-44	-33	-21	-9
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-23	-314	-123	-9	201	55	-85	21	266	-190	-98	-30	-8	-23
-279	-109	-125	-21	205	88	-72	73	273	-202	-235	-288	-314	-279
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-9	-25	-33	-44	-30	-84	-79	102	246	-50	-44	-33	-21	-9
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266	273	246	198	144	144	144	102	246	-50	-44	-33	-21	-9
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-37	-57	-75	-66	-25	-25	-25	102	246	-50	-44	-33	-21	-9
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7	-10	-40	-60	-53	-53	-53	102	246	-50	-44	-33	-21	-9
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-67	-13	41	56	29	10	10	10	9	1	-19	-48	-69	-61	-27	2	-64	37	42	15
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23	23	20	11	-4	5	44	64	42	25	24	35	40	21	9	17	-3	-12	2	24
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IIF089 71.247.0  
STATION NO. 175

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
803 SOUTH OLIVE STREET, STREET LEVEL, LOS ANGELES, CAL.

EPICENTER 34 24 00N, 118 23 42W  
CUMP DOWN 34 C2 07N, 118 15 03W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.057 SEC DAMPING = 0.684

PEAK VALS ACCLN = 75.3 CM/SEC/SEC AT 8.42 SEC VELO = 10.0 CM/SEC AT 10.98 SEC DISP = 6.0 CM AT 11.88 SEC

INITIAL VELO = -0.27358 CM/SEC INITIAL DISP = 0.40205 CM

2971 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-113	-123	-82	64	27	-8	78	85	50	113	109	35	54	67	-12	-26	-39	-114	-104	-31
-44	-82	-32	86	134	103	55	28	-29	-138	-175	-68	62	115	74	-35	-156	-219	-131	15
62	0	-67	-46	-12	-31	-15	-1	-26	-3	57	83	92	46	-31	-22	54	122	167	93
11	-6	-76	-125	-66	-8	3	37	140	176	121	42	-17	-13	11	83	134	104	54	-13
-75	-56	-75	37	54	-59	-88	-103	-103	-31	11	0	-105	-298	-348	-190	-41	25	32	-23
-67	-18	87	169	143	105	68	-46	-64	3	26	94	110	-78	-259	-226	-28	84	81	28
-48	3	116	156	116	96	169	185	110	60	94	143	110	33	-7	-15	-20	-94	-180	-213
-250	-226	-106	-39	-23	79	198	195	81	-4	-44	-16	81	104	-10	-85	-6	27	-13	63
144	134	49	-192	-466	-548	-420	-68	223	257	194	186	133	-38	-167	-65	173	291	214	58
-24	-173	-249	-259	-281	-241	-197	-139	46	217	305	331	322	120	-211	-196	-20	-47	-36	18
-80	-162	-136	-117	-10	189	257	167	26	-155	-244	-88	61	44	48	63	45	104	213	221
70	-135	-224	-176	-162	-202	-182	-175	-238	-265	-125	116	239	160	35	-5	48	196	269	25
-213	-214	-92	62	172	189	61	-78	-105	-41	122	296	387	457	355	59	-63	-54	-124	-127
-28	5	-30	-102	-265	-226	-41	-49	-99	-120	-254	-197	103	397	488	307	12	-172	-162	-141
-140	122	296	96	-64	-20	55	85	58	5	-15	-115	-222	7	255	259	308	293	3	-308
-333	-32	232	283	226	79	64	239	267	173	113	-2	-51	10	92	125	152	169	5	-176
-146	12	87	30	-131	-138	-5	-66	-24	200	154	39	-10	-82	-168	-198	-155	-117	-135	-113
-41	-7	-42	-66	-29	17	-3	-44	0	135	218	172	128	63	-85	-179	-272	-334	-328	-267
-239	-253	-182	104	427	569	569	437	121	-168	-339	-428	-457	-453	-354	-51	235	415	535	519
362	219	31	-217	-337	-312	-225	-162	-233	-328	-222	77	313	362	258	22	-266	-407	-302	-240
-269	-142	-35	-103	-165	-71	25	21	30	-4	-165	-273	-193	-136	-251	-446	-541	-378	2	421
705	753	515	256	194	145	-29	-98	-217	-590	-715	-440	-114	166	308	242	134	81	42	48
40	-45	-164	-181	-141	4	278	373	298	214	161	-174	-462	-404	-276	-252	-109	5	-103	-275
-349	-312	-232	-37	197	272	194	61	-59	-126	-198	-288	-398	-406	-187	13	-30	38	286	466
494	454	377	344	365	246	3	-70	5	141	286	424	494	417	307	236	167	215	331	380
305	50	-187	-392	-463	-444	-267	32	248	222	166	322	500	533	450	282	12	-179	-294	-380
-458	-392	-135	82	133	229	320	264	172	151	93	-67	-244	-282	-80	171	291	297	284	191
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-320	-265	-147	-49	2	-27	-99	-133	-110	-58	72	248	322	268	180	101	4	-83	-95	-76
-118	-227	-345	-418	-410	-366	-320	-208	-105	-78	-71	-41	-37	-128	-203	-208	-223	-205	-155	-126
-49	-27	-88	-159	-232	-276	-274	-280	-317	-270	-184	-198	-217	-160	-154	-214	-214	-181	-178	-144
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80	123	129	124	138	153	157	111	33	24	53	63	25	-2	-10	-35	-70	-119	-181	-205
-201	-213	-227	-217	-176	-119	-64	-14	29	66	97	128	152	136	119	137	148	111	63	46
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25	27	23	17	24	31	30	29	25	19	22	16	10	4	5	7	8	8	11	15
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16	20	18	9	7	13	18	14	6	6	5	1	-3	0	5	0	-6	-8	-8	-8
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IIF090 71.103.0  
 STATION NO. 176  
 INSTR PERIOD = 0.0540 SEC DAMPING = 0.5633  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 808 SOUTH CLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -130.0 CM/SEC/SEC AT 8.58 SEC VELC = 22.1 CM/SEC AT 14.20 SEC DISP = -12.2 CM AT 13.08 SEC

INITIAL VELO = -0.92570 CM/SEC INITIAL DISP = 0.07190 CM

2917 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

28	-127	-142	-56	44	53	21	61	79	28	-15	26	79	77	106	148	116	43	-52	-94
-17	32	-52	-82	-36	-70	-151	-140	-27	49	53	59	60	9	5	43	35	31	55	61
53	47	32	23	20	9	-16	-61	-84	-79	-81	-19	50	27	-25	-18	3	-37	-43	22
69	76	9	-38	-12	-13	-8	33	25	36	71	-5	-76	11	70	38	21	59	80	20
-68	-74	-18	2	-44	-61	-30	-11	-57	-113	-116	-50	26	89	97	83	94	44	-59	-78
-20	58	81	0	-11	3	-95	-149	-93	-27	33	45	-18	-21	44	67	61	73	120	116
24	-25	76	165	120	108	109	0	-135	-148	-14	71	41	5	-30	-11	22	-16	-70	2
125	46	-52	-12	46	45	-35	-85	-57	13	19	-41	-107	-174	-193	-154	-125	-71	52	97
52	21	40	99	42	-62	39	180	77	-47	27	140	92	-28	-47	-53	-71	-172	-178	-6
113	126	81	79	91	3	-33	85	164	143	168	203	140	26	-54	-48	-3	-1	-40	-68
-63	-103	-142	-135	-138	-126	-115	-69	25	7	15	95	101	92	135	143	94	75	119	165
104	15	-9	-52	-164	-263	-249	-202	-210	-223	-221	-218	-256	-177	74	188	-10	-266	-155	171
395	410	440	611	666	478	295	275	317	318	332	258	-99	-464	-503	-464	-575	-741	-702	-455
-167	-292	-524	-374	-138	-201	-347	-182	124	187	-61	-107	155	395	414	151	-18	80	108	69
-13	91	502	626	198	-285	-210	144	108	-49	176	522	442	-75	-231	171	212	-208	-294	62
142	-438	-763	-483	-170	-246	-399	-295	-36	-54	-118	214	752	656	315	77	104	208	185	81
182	244	16	-487	-933	-916	-633	-439	-279	-88	91	123	2	-84	40	140	81	212	515	753
730	311	-53	209	526	292	-112	-94	76	-222	-659	-643	-200	-149	-348	-115	412	442	84	-175
188	797	785	364	577	1245	1197	360	-92	264	566	-24	-1003	-871	-391	-835	-1271	-854	49	379
-226	-381	109	159	-384	-685	-405	-413	-899	-1075	-609	-122	135	-57	-345	-151	84	-57	-299	-114
238	183	-198	-220	85	297	328	612	1081	1278	1135	748	520	714	754	288	-150	-44	-126	-478
-408	38	444	186	-278	-141	205	-21	-793	-1300	-1016	-437	-116	-238	-145	71	86	269	276	150
388	982	1060	866	600	202	-88	-50	-54	-126	-120	-51	70	221	323	261	326	433	261	-243
-578	-535	-381	-424	-719	-565	-880	-719	-583	-355	-20	341	416	213	127	333	488	341	248	675
1133	1166	800	371	63	-202	-366	-470	-635	-554	-653	-1060	-1260	-1258	-1174	-887	-607	-354	-57	167
332	284	155	242	297	203	169	383	605	567	380	-115	-596	-369	204	591	667	580	532	167
-334	-156	473	542	119	-120	-106	117	486	561	274	327	378	-59	-455	-353	-62	-152	-52	-778
-453	-298	-659	-903	-470	5	282	313	342	622	539	55	-148	-190	-341	-468	-430	-262	-82	-61
-20	200	319	313	177	65	212	380	255	-45	-195	-283	-420	-505	-434	-565	-687	-757	-721	-474
-270	-359	-398	-245	-118	-247	-618	-667	-317	21	221	256	282	304	508	595	538	642	749	748
647	337	27	-231	-480	-758	-700	-429	-385	-501	-457	-240	-70	-74	-76	-109	-161	-42	137	-460
-327	-228	149	385	351	213	180	213	225	289	329	360	414	342	141	29	-14	-136	-255	-250
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114	15	18	-26	-84	-78	-16	22	-42	-109	-64	0	18	18	150	363	509	560	525	483
563	708	771	778	702	467	234	115	102	88	-27	-165	-268	-252	-217	-285	-334	-251	-121	40
242	370	390	439	507	487	332	222	169	112	-13	-149	-108	-37	-147	-384	-486	-386	-289	-449
-809	-940	-831	-703	-499	-344	-267	-226	-165	-47	77	202	373	418	356	228	138	168	152	119
155	148	-5	-247	-469	-519	-424	-477	-752	-879	-824	-826	-859	-740	-553	-568	-686	-666	-547	-422
-284	-144	-37	51	71	-20	-57	5	53	50	41	100	132	18	-232	-357	-364	-294	-372	-558
-604	-527	-459	-387	-320	-274	-220	-105	-42	-53	-41	-31	-21	76	123	123	180	210	178	142

132	196	264	264	264	257	296	262	180	55	26	14	9	-80	-146	-59	93	185	181	163	187
186	187	234	270	270	285	314	356	384	379	356	383	422	407	370	345	320	288	263	288	269
177	111	126	185	164	164	47	-14	46	120	131	107	80	71	43	31	107	204	239	193	170
217	217	99	-13	14	14	93	89	43	52	99	129	95	29	-26	-102	-195	-189	-64	67	98
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14	39	90	128	102	102	67	57	66	52	34	46	51	18	-33	-71	-85	-123	-191	-233	-222
-179	-128	-144	-229	-290	-290	-313	-295	-229	-150	-110	-112	-100	-52	-36	-32	0	53	71	33	3
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44	24	68	129	134	134	97	92	115	132	115	77	49	19	-7	-26	-59	-88	-82	-52	-26
-36	-64	-128	-144	-142	-142	-127	-88	-25	-3	-36	-79	-105	-112	-115	-117	-85	-54	-78	-153	-245
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87	43	-18	-71	-97	-97	-96	-92	-74	-61	-93	-136	-154	-195	-254	-255	-182	-82	-52	-93	-107
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107	80	97	150	168	168	134	107	132	164	148	69	28	45	41	-1	-19	-1	24	32	55
120	182	195	170	140	140	139	150	120	65	45	60	60	38	20	23	43	54	35	8	21
48	44	31	62	110	110	141	163	191	219	204	139	94	89	74	26	0	29	60	32	21
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41	28	-3	-55	-102	-102	-103	-60	-22	-25	-68	-81	-61	-87	-166	-174	-112	-69	-81	-88	-57
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43	2	28	129	219	219	218	153	165	218	228	189	167	172	145	106	63	19	-23	-50	-44
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91	93	73	57	48	48	36	10	-12	-32	-47	-66	-90	-110	-124	-123	-108	-82	-48	-10	13
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-4	-12	1	22	15	-7	-19	-21	-14	4	-17	-16	-4	-23	-28	-19	-3	17	40	33
19	8	-2	0	19	42	46	25	8	-4	-17	-16	-4	13	35	52	59	63	72	83
78	58	33	21	20	10	-6	-12	-4	5	-4	-20	-18	-1	-2	-18	-37	-44	-34	-14
16	38	36	31	36	36	21	3	-1	8	2	-21	-35	-34	-22	-12	-11	-13	-17	-22
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-81	-85	-84	-74	-58	-51	-55	-61	-53	-38	-21	-10	0	7	4	-4	-5	-2	-13	-26
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87	81	78	77	72	63	58	48	34	19	5	-1	2	10	10	8	4	12	32	51
67	84	99	107	103	95	89	85	83	83	82	77	65	52	37	14	-9	-19	-21	-21
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54	40	29	10	-6	-13	-24	-36	-41	-34	-24	-21	-27	-30	-23	-15	-12	-12	2	20
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51	54	55	54	49	40	30	23	22	26	25	14	1	0	7	6	1	3	11	11
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-49	9	-50	-52	-50	-46	-37	-29	-25	-17	-6	4	13	20	26	28	26	21	15	13
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4	11	18	12	13	6	1	14	23	22	22	18	13	12	12	6	5	4	4	5
					12	20	21	21	22	29	33	27	21	17	13	25			

IIF090 71.103.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 176 808 SOUTH OLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL. COMP S53E 34 02 07N, 118 15 03W  
INSTR PERIOD = 0.0520 SEC DAMPING = 0.5682 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACIN = -243.9 CM/SEC/SEC AT 10.44 SEC VELO = -22.2 CM/SEC AT 10.78 SEC DISP = 13.3 CM AT 9.46 SEC

INITIAL VELO = 0.42515 CM/SEC INITIAL DISP = 0.89440 CM

2917 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

151	52	6	17	-37	-98	-126	-132	-120	-103	-91	-41	45	25	1	100	150	80	11	-22
-24	-20	-84	-127	-39	52	-1	-37	50	108	82	67	65	10	-38	-58	-54	-22	-60	-95
-30	32	24	21	23	8	38	75	11	-18	26	37	-39	-68	-24	32	17	-48	-8	-8
39	1	-17	30	45	-1	-10	-11	-24	-14	-67	-148	-99	16	-24	-96	-11	86	56	20
43	127	78	-36	-15	-5	-111	-110	-41	-38	-67	-34	3	-20	-18	81	148	74	3	29
82	64	-37	-70	-14	4	-21	-43	-60	-21	-67	39	14	26	55	-90	-67	-39	-73	-108
-102	-42	-5	-56	-77	7	53	11	-17	-9	49	120	59	-19	-14	-7	-90	-174	-190	-148
-84	-20	14	94	196	260	225	98	11	-44	-129	-190	-183	-122	-56	-87	-60	166	310	163
25	11	14	-49	-196	-250	-165	-47	13	48	141	187	153	95	114	180	105	-48	-148	-176
-184	-213	-222	-170	-43	62	91	97	100	154	156	38	-34	-160	-180	-110	-33	-19	-21	26
125	216	220	121	61	41	-39	-83	-91	-152	-192	-142	-48	-14	-43	-28	56	88	13	-55
-61	-43	-129	-209	-88	129	255	261	282	395	484	356	50	-145	-179	-290	-421	-345	-111	39
89	185	469	730	727	610	566	622	388	-44	-299	-358	-575	-978	-1223	-984	-251	-182	-544	-462
312	725	425	114	31	224	63	-213	-145	-116	-250	-135	-56	-29	88	128	232	404	405	626
815	666	370	222	285	140	-337	-613	-301	103	159	-24	32	599	771	232	58	90	212	24
-150	-167	-203	-372	-382	-123	-38	-107	-51	170	465	533	210	-41	-94	-221	-445	-586	-671	-838
-815	-541	-306	-100	11	257	699	713	445	366	506	472	135	-251	-426	-566	-768	-155	-612	-477
-344	-42	446	860	786	820	980	1015	829	590	441	437	323	107	-39	-63	-195	-408	-285	159
510	463	408	710	969	827	353	-4	-99	-383	-854	-984	-652	-439	-405	-111	404	596	754	892
515	66	-590	-1288	-1600	-1809	-1956	-1748	-1312	-831	-379	85	335	399	312	215	2	-209	-332	-289
-32	200	372	581	983	1438	1426	1102	891	678	320	-201	-577	-674	-648	-706	-664	-333	212	733
740	759	986	743	146	-455	-1084	-1503	-1617	-1923	-2048	-1612	-936	-259	465	1029	1591	1875	1658	1218
469	-284	-592	-819	-1133	-1141	-600	146	793	1001	1132	1451	1523	1140	559	8	-60	-58	-511	-753
-517	-247	-23	84	-18	111	252	-121	-434	-458	-704	-573	-1180	-1245	-1115	-1155	-1118	-858	-512	-165
-88	-158	-13	158	-11	-252	-330	-256	-194	-209	-97	163	351	259	64	98	264	179	-330	-715
-642	-470	-535	-615	-403	6	436	780	1030	1454	1949	2174	2188	1731	1227	937	423	-268	-932	-1528
-1775	-2159	-2435	-1994	-1472	-804	-132	425	764	594	496	337	-417	-731	-592	-916	-1387	-232	214	214
675	529	418	857	842	277	-167	-489	-550	-485	-327	-128	-148	-399	-422	-43	280	419	382	223
393	739	965	894	571	293	272	284	49	-310	-411	-249	-47	257	538	608	770	933	1081	1082
636	202	-56	-410	-472	-508	-778	-736	-449	-168	292	640	814	1187	1416	1190	692	171	-127	-146
-309	-555	-790	-679	-457	-48	225	-137	-53	511	347	421	562	177	120	471	414	271	318	306
333	422	194	-3	-40	-72	28	70	-1	-103	-149	8	183	35	-120	-140	-119	27	77	-18
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-19	-52	-163	-221	-197	-191	-289	-463	-572	-405	-205	-204	-254	-191	27	245	321	297	252	241
152	15	-89	-219	-366	-480	-548	-499	-492	-503	-429	-258	4	198	277	296	354	430	448	347
180	-26	-160	-181	-235	-397	-507	-489	-290	-44	64	16	109	168	262	359	205	-12	-38	-56
-51	-9	-228	-357	-356	-237	-157	-192	-172	-85	3	80	104	66	20	7	0	-76	-286	-382
-402	-299	-219	-210	-116	24	161	387	604	707	746	651	458	281	112	-131	-453	-630	-662	-673
-629	-463	-241	25	212	306	441	593	521	338	161	-75	-242	-311	-386	-357	-291	-322	-225	67
210	201	316	433	519	575	493	295	70	-82	-184	-256	-407	-530	-607	-578	-480	-344	-235	-228



-238	-190	-143	-152	-174	-265	-374	-404	-351	-310	-343	-387	-343	-218	-105	-149	-240	-135	-7	8
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256	209	193	193	156	125	148	159	143	149	163	147	104	84	61	7	16	8	15	-17
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-105	-80	-74	-77	-60	-66	-108	-131	-117	-77	-75	-131	-177	-173	-112	-78	-112	-171	-179	-147
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46	21	-29	-47	-2	44	26	-30	-63	-27	16	2	-39	-66	-55	-20	-12	-32	-45	-20
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88	109	138	163	172	136	81	37	3	-23	-53	-77	-96	-114	-118	-101	-82	-81	-71	-46
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71	117	127	105	102	94	44	-12	-61	-91	-108	-117	-110	-90	-69	-39	0	44	77	86
97	117	130	101	52	18	15	20	0	-19	-9	21	52	57	60	95	128	134	114	82
43	14	5	-10	-48	-84	-92	-63	-23	1	-2	7	37	37	5	-15	-29	-12	9	-5
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42	33	16	11	28	42	31	25	34	39	30	6	-20	-20	-2	-1	-13	-24	-26	-12
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85	114	101	95	103	73	9	-75	-150	-175	-161	-130	-101	-51	22	107	177	157	85	55
64	46	-50	-176	-250	-238	-239	-226	-206	-208	-169	-90	-3	48	25	-30	-27	0	7	-54
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-86	-96	-155	-156	-41	82	139	113	111	134	139	123	89	49	6	-47	-110	-143	-127	-68
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-76	-42	8	38	60	88	124	163	161	122	100	63	0	-69	-136	-184	-214	-199	-146	-111
-69	6	90	159	198	219	213	192	156	85	7	-55	-96	-120	-136	-141	-120	-75	-22	26
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162	157	156	149	111	46	-13	-60	-78	-85	-96	-56	-73	-34	5	41	59	61	70	79
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11F090 71.103.0

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

STATION NO. 176 808 SOUTH OLIVE STREET, 4TH LEVEL, LOS ANGELES, CAL.  
INSTR PERIOD = 0.0540 SEC DAMPING = 0.6023 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CMP DCWN 34 02 07N, 118 15 03W

PEAK VALS ACCLN = 163.9 CM/SEC/SEC AT 8.62 SEC VELO = -12.0 CM/SEC AT 9.72 SEC DISP = 5.2 CM AT 11.94 SEC

INITIAL VELC = -0.77173 CM/SEC INITIAL DISP = 0.03882 CM

2017 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-68	-141	-34	79	35	84	173	94	97	184	48	-91	28	53	10	-27	-90	-153	-106	-22
-40	-59	51	154	144	97	83	58	-49	-173	-166	-33	80	139	95	-54	-225	-273	-107	47
48	-13	-36	0	23	-16	-48	-48	-44	-3	85	107	113	135	70	-19	-22	29	112	202
97	-13	-75	-129	-86	-86	-56	15	136	215	151	148	67	-78	-106	6	116	139	104	98
57	-108	-184	-114	-3	77	71	-1	-86	-159	-97	27	53	-14	-184	-429	-376	-124	-23	-34
-36	-61	-9	80	151	181	130	123	87	-52	-77	-29	10	112	128	-82	-313	-283	-28	127
103	15	-80	41	201	137	36	86	212	202	82	7	102	190	119	31	-22	-22	-39	-137
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427	228	-8	-234	-288	-257	-340	-434	-328	-145	-37	78	225	353	432	382	104	-256	-252	-81
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IIF091 71.104.0  
 STATION NO. 177  
 INSTR PERIOD = 0.0560 SEC DAMPING = 0.5735  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S53E 34 02 07N, 118 15 03W

PEAK VALS ACN = 404.0 CM/SEC/SEC AT 8.54 SEC VELC = 30.9 CM/SEC AT 10.74 SEC CISP = 17.7 CM AT 11.82 SEC

2966 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS CF 0.02 SEC									
INITIAL VELC = 0.30630 CM/SEC INITIAL DISP = -0.08428 CM									
-200	-93	61	86	20	45	139	160	106	55
93	133	90	65	73	61	-26	-113	-143	-170
-73	-76	-85	-67	-35	-29	0	-13	-67	-15
7	-42	-56	-36	-1	18	-13	5	46	24
-7	-62	-104	-9	104	129	120	84	62	13
19	-112	-33	36	-11	-3	87	70	14	-60
147	-22	-107	-24	82	44	-44	-47	-6	-8
167	28	-74	-213	-361	-425	-402	-257	2	226
-273	-49	93	142	286	469	475	215	-64	-190
306	440	337	239	151	76	-21	-243	-359	-165
-415	-230	-164	-149	-107	-2	126	149	120	121
20	199	176	171	293	234	-130	-530	-636	-562
-384	-535	-537	-644	-1053	-1106	-602	-306	-348	-392
-762	-636	-1006	-1245	-444	600	745	439	289	374
-767	-1238	-1206	-699	-18	351	316	543	1231	1323
423	715	101	-588	-117	701	551	-4	14	133
264	-182	-30	-6	-126	-323	-560	-930	-1311	-1052
-403	-417	-822	-1314	-1170	-926	-1234	-1524	-905	-99
-687	-667	-1255	-1636	-1230	-656	-54	500	1088	1833
-631	590	2223	3334	3608	3113	2279	1183	-293	-1410
-383	-1878	-2103	-1546	-1531	-1493	-1137	-703	-368	-120
-2244	-1160	-664	-656	247	1982	3560	4040	3379	2267
860	2325	2893	2399	1832	1178	-128	-1800	-3137	-3101
187	-766	-569	-286	-484	-382	-34	368	834	1160
-883	-590	-278	167	620	1009	1243	889	150	-435
1261	1089	605	710	926	488	-721	-2008	-2496	-2684
3244	3885	3701	2141	586	-489	-1521	-2499	-2530	-1786
-1755	-1352	-994	-252	340	691	756	545	694	942
-1439	-1457	-1240	-877	-405	83	603	836	732	539
-246	590	1062	1436	1722	1496	1011	376	-649	-1656
945	788	282	-58	50	-660	-1448	-677	-149	-751
-119	173	129	218	263	259	188	66	-12	-42
-237	-643	-715	-476	-360	-279	-183	-71	162	358
189	337	411	361	287	329	529	683	529	201
398	487	554	690	839	846	690	470	285	132
120	475	733	709	648	680	637	332	-137	-544
304	398	390	335	220	100	5	4	37	-25
534	185	86	151	-208	-778	-1024	-1147	-1254	-1100
485	39	-386	-689	-933	-959	-737	-593	-490	-141
-529	-571	-595	-635	-665	-597	-417	-174	131	471
-28	-113	-143	-119	-105	-121	0	-67	-121	-105
-32	68	107	115	169	169	-73	95	198	169
47	-5	-61	-28	85	85	-121	38	156	85
-110	-217	-125	-174	-76	-76	166	192	61	-37
127	11	-152	-174	-18	-18	11	64	-43	-108
169	110	107	126	115	115	-148	-123	-70	-148
295	367	287	115	73	73	-139	-221	-143	-143
-391	-299	-176	-135	-143	-143	452	406	233	-13
46	-7	53	-52	-52	-52	-231	-245	-276	-263
-424	-146	108	311	441	441	-61	-125	-52	213
-136	-55	37	14	-120	-120	163	230	288	120
159	784	875	595	432	432	-643	-649	-352	73
-500	-56	-481	-139	1466	1466	-105	538	951	757
63	380	350	-424	-1058	-1058	231	-270	-313	112
1357	1912	1512	562	769	769	62	-1080	-856	-546
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-243	526	570	245	53	53	-571	-316	-61	425
-961	-1265	-1663	-1605	-1005	-1005	-12	-90	108	161
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806	765	1130	1229	1052	1052	1636	839	-371	-1750
-748	-52	652	1189	1653	1653	-2197	-1588	-826	228
604	50	123	315	294	294	1281	1359	1376	1352
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-2186	-1250	-53	830	2018	2018	-2875	-2716	-2198	-1644
-930	-518	-404	-227	-27	-27	-637	733	1936	2701
-859	-1228	-1280	-1325	-1485	-1485	380	-192	-50	165
1343	1588	1042	320	-338	-338	330	-66	-619	-1052
-501	-421	-310	-541	-466	-466	-2051	-1966	-1742	-1495
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165	-171	-378	-404	-448	-448	308	158	144	128
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-120	-64	-27	11	36	50	47	42	37	4	-55	-94	-94	-74	-72	-79	-53	-10	15	24
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-10	4	16	13	-1	-9	-3	8	-2	-21	-29	-20	-14	-22	-22	-1	23	38	39	28
16	1	-10	-20	-31	-45	-56	-52	-41	-37	-26	-4	19	43	57	56	60	65	47	22
2	-12	-24	-33	-36	-37	-35	-19	6	18	21	22	21	17	7	-8	-28	-37	-31	-34
-36	-15	10	27	43	51	47	40	30	18	3	-17	-30	-33	-35	-38	-38	-23	4	18
13	6	10	19	31	30	26	36	45	43	26	4	-10	-14	-13	-21	-34	-47	-49	-31
-5	16	27	34	43	47	31	2	-20	-42	-63	-80	-93	-94	-71	-33	1	16	27	47
63	60	39	15	-13	-42	-66	-75	-70	-63	-51	-33	-10	11	30	47	56	53	42	23
4	-12	-24	-26	-25	-21	-7	10	18	-23	25	-33	47	45	30	24	37	48	40	37
43	53	53	44	35	30	28	28	27	20	9	4	5	4	1	12	31	45	52	55

[illegible]

IIF091 71.104.0  
 STATION NO. 177  
 INSTR PERIOD = 0.0540 SEC DAMPING = 0.5824

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S37W 34 02 07N, 118 15 03W

PEAK VALS ACCLN = -219.6 CM/SEC/SEC AT 8.58 SEC VELO = 23.7 CM/SEC AT 14.18 SEC DISP = -12.9 CM AT 12.96 SEC

INITIAL VELO = -0.77980 CM/SEC INITIAL DISP = 0.53310 CM

2965 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

80	-31	-77	-11	-7	-65	-108	-77	11	108	195	175	136	144	121	55	18	-14	-18	-28
-70	-115	-152	-121	-157	-223	-141	-13	21	56	108	137	94	-30	-51	95	165	57	-13	68
146	113	16	-77	-103	-68	-17	15	18	2	-30	-71	-87	-71	-78	-103	-54	51	122	142
45	-20	-9	8	-20	-20	48	-8	-79	-82	-29	-12	57	151	139	80	51	18	-23	-15
10	-18	23	83	-49	-263	-246	-85	-68	-120	-84	49	97	3	4	134	189	180	125	63
46	-10	-103	-158	-141	-127	-181	-166	-68	92	107	17	-6	5	40	86	149	159	107	56
86	114	29	26	158	121	-19	-57	8	14	-62	-59	-32	-125	-177	-51	80	32	-27	-7
93	101	2	70	256	257	89	-116	-211	-253	-326	-314	-207	-81	-8	-21	-39	-38	11	4
-54	-21	160	195	101	14	87	149	97	37	56	85	75	47	-34	-119	-163	-185	-136	-152
-194	-60	99	85	53	75	183	314	267	134	122	203	134	-87	-257	-211	-63	-37	-61	87
107	-52	-180	-223	-157	-184	-250	-148	-26	-26	-4	14	168	262	271	241	264	247	200	75
-48	-97	-203	-279	-253	-98	-25	-129	-297	-281	-76	-97	-350	-482	-237	122	90	-217	-186	265
534	507	658	864	908	699	615	751	673	378	82	-123	-85	-103	-470	-939	-1207	-1128	-1055	-1124
-1000	-258	367	148	-105	-88	47	39	-149	-287	-113	193	221	220	446	553	385	158	-34	-81
247	300	138	358	607	403	-56	-509	-410	23	181	-59	78	739	792	258	45	83	225	-122
-730	-1069	-851	-622	-144	-702	-176	112	-90	-123	268	906	1091	849	705	552	346	28	-360	-528
-403	-175	-91	-130	-306	-433	-686	-982	-895	-695	-387	181	567	617	652	493	258	332	632	866
720	614	640	495	251	57	-24	-99	-458	-757	-879	-766	-807	-589	-137	307	915	1039	808	705
921	1261	1206	915	860	1038	814	197	-345	-775	-997	-1316	-1499	-1271	-745	-272	-129	-227	15	259
114	-409	-645	-585	-849	-1335	-1525	-1022	-442	-220	13	325	443	253	-8	-151	-381	-571	-632	-664
-470	154	1277	1669	1538	1660	1743	1485	967	371	43	-130	39	201	-116	-665	-635	-84	282	439
408	195	0	-217	-470	-445	-526	-1073	-1771	-2156	-1890	-884	100	646	615	1022	1754	1841	1222	638
362	245	174	189	16	-256	-16	299	208	48	114	805	872	527	236	-41	-266	-344	-470	-981
-1259	-775	-456	-620	-731	-700	-522	-528	-698	-896	-715	-63	428	372	381	1072	1321	1244	1623	1755
1305	690	256	-164	-613	-719	-957	-1464	-2024	-2053	-1735	-1507	-1286	-879	-412	-494	-681	-366	355	907
943	716	427	556	588	483	633	696	533	433	336	128	15	240	83	-521	-590	-159	103	271
556	319	140	-76	-374	-146	587	877	976	754	412	128	-192	-487	-876	-1261	-1224	-1155	-1141	-762
-457	-71	653	644	348	296	342	322	162	87	51	-71	-262	-429	-501	-423	-400	-362	-388	-186
621	851	403	242	429	630	306	50	-215	-245	-246	-459	-700	-675	-450	-390	-631	-653	-321	-246
-612	-913	-695	-321	-378	-451	-428	-113	532	647	509	1059	1649	1679	1261	970	780	451	102	-348
-743	-664	-881	-951	-1076	-960	-506	-303	-261	-100	-2	304	470	128	-116	-62	-84	-221	-150	-32
21	195	737	656	481	650	761	660	561	449	233	-54	-333	-475	-401	-359	-476	-476	-266	-30
150	262	321	481	634	678	705	730	782	814	795	663	535	404	302	182	121	182	124	-57
-251	-333	-247	-180	-310	-457	-507	-443	-298	-69	256	588	776	812	745	722	871	980	917	900
871	682	376	65	-120	-215	-213	-420	-422	-361	-377	-542	-593	-412	-162	-36	81	281	516	690
739	633	498	381	359	355	280	173	78	-3	-172	-375	-453	-365	-365	-584	-903	-1114	-1155	-1266
-1307	-911	-300	-68	-13	148	354	303	425	504	463	372	327	383	433	417	343	196	0	-240
-413	-469	-559	-679	-742	-742	-774	-795	-878	-961	-896	-788	-803	-812	-706	-552	-445	-316	-160	-34
13	22	125	296	381	407	476	455	347	177	-87	-264	-290	-368	-571	-832	-564	-866	-617	-457
-430	-285	-89	26	15	-47	-55	38	100	36	-82	-154	-107	39	169	239	240	234	243	264

266	214	153	146	130	45	-52	-186	-314	-365	-267	-86	43	133	306	345	232	118	64	141
206	226	245	418	515	497	510	562	555	445	340	284	275	293	279	239	189	180	204	202
162	108	47	3	4	41	50	16	-2	44	96	108	113	144	206	235	221	158	105	125
189	204	136	52	29	86	140	104	24	-38	-67	-85	-137	-204	-217	-112	-5	29	71	116
105	88	119	153	103	11	-70	-95	-101	-151	-161	-84	0	0	-21	17	77	118	106	120
211	264	222	148	74	17	45	67	31	4	-2	-8	-68	-163	-232	-228	-224	-264	-307	-330
-318	-312	-345	-314	-173	-47	-32	-80	-83	-24	-1	-26	-10	70	113	73	8	34	130	182
141	102	122	140	89	43	86	171	192	155	122	121	108	56	-7	-51	-11	54	71	65
57	82	124	147	124	87	69	69	57	7	-39	-63	-58	-80	-119	-143	-120	-79	-91	-164
-224	-226	-177	-125	-68	-22	-3	0	6	1	-36	-89	-125	-120	-120	-183	-223	-236	-276	-317
-357	-390	-417	-435	-408	-340	-255	-172	-138	-56	-4	108	141	155	217	266	212	126	66	30
13	-51	-148	-185	-126	-119	-206	-272	-256	-178	-131	-112	-77	-37	-30	-15	-5	-34	-50	-28
-15	-49	-99	-151	-171	-138	-90	-28	18	18	18	81	152	154	83	58	127	192	173	128
125	178	227	221	187	157	129	104	77	37	-23	-81	-117	-81	3	61	118	200	270	289
251	205	165	128	91	57	42	56	47	7	-24	-23	-2	-20	-57	-72	-53	-24	6	54
116	158	176	214	274	299	264	200	125	92	74	29	-20	-43	-22	-22	-63	-95	-86	-45
-47	-72	-57	-5	21	1	-3	74	159	147	81	47	41	19	-12	-10	25	48	33	5
-18	-37	-54	-69	-65	-53	-87	-161	-216	-207	-166	-143	-142	-150	-133	-79	-50	-46	-15	26
57	44	22	2	-19	-42	-66	-73	-68	-56	-141	-175	-177	-151	-128	-84	-7	74	132	156
174	234	302	315	276	244	247	280	258	171	85	16	-26	-62	-92	-100	-106	-124	-134	-101
-47	-15	-20	-6	61	125	158	127	77	67	110	118	63	19	16	53	66	20	-56	-106
-108	-91	-110	-146	-150	-119	-125	-174	-217	-227	-207	-155	-185	-156	-87	-20	20	32	32	35
37	35	38	69	90	60	30	41	81	94	62	28	35	57	27	-12	7	69	76	29
-5	-16	-15	-42	-93	-130	-148	-143	-130	-124	-118	-90	-31	14	21	11	12	40	76	72
45	21	-3	-28	-55	-80	-101	-113	-104	-88	-95	-106	-96	-75	-67	-52	-12	15	22	37
65	67	18	-28	-59	-62	-87	-135	-158	-126	-72	-57	-83	-99	-92	-86	-92	-116	-133	-107
-60	-45	-37	-10	57	105	107	110	125	163	185	170	173	210	240	236	208	193	179	113
21	-40	-68	-72	-100	-133	-155	-157	-152	-144	-115	-70	-25	42	132	200	219	207	197	187
179	172	165	155	132	86	21	-43	-101	-124	-104	-91	-104	-138	-168	-193	-208	-196	-135	-69
-9	49	110	163	177	154	134	114	97	80	63	34	-10	-56	-100	-116	-82	-44	-29	-49
-66	-76	-119	-123	-43	21	35	18	24	25	-8	-47	-59	-40	-30	-37	-39	-11	25	62
81	89	97	93	73	50	29	12	-1	-14	-27	-41	-57	-73	-89	-100	-101	-101	-101	-92
-63	-30	-11	-4	0	22	49	62	71	82	104	108	63	20	17	39	35	11	13	49
57	23	14	60	88	67	41	48	73	74	57	47	56	45	12	-2	20	26	-16	-48
4	97	125	103	97	130	142	112	75	59	71	63	28	11	30	48	34	14	17	33
31	9	6	41	55	31	19	54	120	130	87	52	61	84	59	-4	-41	-38	-41	-66
-86	-84	-70	-77	-101	-113	-88	-48	-35	-33	20	107	150	121	101	120	128	77	15	-2
-2	-42	-85	-103	-89	-100	-142	-174	-162	-158	-188	-214	-228	-217	-158	-177	-148	-108	-72	-39
-5	29	62	76	58	41	44	56	27	-20	-46	-29	-12	-38	-100	-142	-134	-132	-164	-195
-195	-162	-136	-138	-157	-160	-130	-83	-39	6	46	75	90	118	170	188	165	135	112	83
30	-26	-68	-84	-124	-176	-198	-187	-170	-165	-140	-83	-14	42	72	93	127	150	135	98
67	62	65	50	26	7	5	-1	-35	-64	-53	-38	-54	-87	-102	-55	-109	-148	-169	-118
-27	29	49	86	151	190	179	162	159	164	150	106	69	87	121	102	64	54	45	8
-41	-67	-58	-47	-72	-93	-64	-25	-16	-8	37	100	123	102	85	121	138	119	98	114
148	148	132	111	99	91	68	41	43	61	64	54	51	60	34	-46	-99	-53	36	81
96	155	216	174	52	-40	-33	7	9	-23	-46	-37	-42	-73	-72	15	120	126	35	-43
-10	14	-51	-127	-147	-102	-58	-41	-43	-28	4	21	26	48	107	84	-67	-170	-166	-133
-96	-98	-141	-113	-14	0	-75	-91	-29	93	166	152	131	133	117	43	-28	-37	-20	-37
-99	-137	-103	-76	-92	-72	30	113	110	65	8	-19	-7	18	15	-28	-79	-98	-77	-14
53	79	55	27	51	122	137	39	-97	-132	-82	-23	-21	-80	-91	-25	27	42	29	0

-6	43	85	57	-4	-51	-37	5	8	-34	-80	-109	-98	-61	-48	-67	-93	-106	-73	-13
1	-31	-46	-9	61	86	43	2	2	7	-35	-90	-119	-150	-196	-231	-209	-153	-129	-120
-68	38	108	109	101	111	105	51	-4	-38	-50	-61	-67	-65	-65	-73	-56	24	56	59
53	58	86	118	128	115	104	91	67	26	-19	-45	-48	-50	-60	-71	-56	2	56	72
59	54	51	11	-42	-77	-49	4	3	-22	-32	-1	51	78	69	45	22	17	32	40
22	0	2	13	18	8	-19	-37	-13	28	50	52	61	91	108	94	76	68	55	49
38	30	30	13	-22	-41	-33	-18	-31	-56	-64	-44	-30	-34	-35	-9	22	35	44	63
78	65	32	3	8	21	-2	-48	-65	-46	-44	-74	-99	-72	-32	-16	-13	2	38	67
83	93	82	53	28	6	-13	-32	-50	-66	-60	-42	-45	-79	-98	-86	-64	-51	-55	-44
-3	18	17	11	10	19	23	7	-12	-30	-37	-43	-60	-55	-25	-6	-1	-3	11	44
63	57	37	11	-17	-44	-66	-71	-65	-51	-33	-25	-28	-25	-15	-16	-26	-38	-48	-58
-72	-75	-67	-67	-72	-64	-47	-44	-59	-61	-34	-8	15	35	45	60	56	45	36	35
42	39	27	20	21	21	-1	-32	-42	-30	-31	-40	-42	-16	27	53	76	96	104	98
83	66	61	56	49	46	56	61	52	35	30	44	61	64	64	56	66	56	38	12
-13	-31	-41	-50	-47	-27	-10	4	12	34	69	50	87	76	82	56	82	51	15	0
-10	-33	-68	-89	-76	-65	-69	-68	-51	-28	-31	-37	-24	-23	-33	-42	-33	0	12	-3
-16	0	22	18	8	12	22	9	-35	-74	-77	-76	-88	-96	-82	-47	-27	-24	-23	-4
36	65	75	81	101	119	114	93	69	48	38	30	20	12	6	1	-2	-4	-8	-16
-25	-37	-45	-33	-24	-29	-18	15	42	44	37	42	58	53	17	-17	-31	-36	-42	-71
-110	-121	-128	-139	-147	-134	-107	-88	-85	-68	-24	10	26	31	44	52	53	53	63	74
68	58	48	46	39	13	-22	-36	-25	-31	-65	-102	-110	-57	-92	-79	-52	-17	15	41
54	59	62	67	69	58	25	-15	-25	-9	-3	-20	-50	-59	-54	-51	-49	-48	-47	-49
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-91	-83	-85	-83	-58	-24	3	24	51	89	118	130	138	146	149	141	118	97	99	103
79	56	37	21	6	-11	-26	-23	-9	-8	-1	17	30	51	83	112	131	143	139	131
128	123	110	58	91	82	66	36	1	-23	-36	-46	-56	-64	-65	-66	-54	-31	-4	20
34	42	46	47	45	42	39	33	22	12	10	6	-12	-27	-28	-19	-17	-21	-28	-25
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-15	-29	-49	-70	-85	-94	-87	-73	-60	-47	-38	-30	-25	-23	-20	-14	-15	-17	-20	-15
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-3	3	13	22	25	20	15	6	-8	-29	-51	-70	-81	-77	-66	-52	-34	-17	-2	13
28	37	35	28	25	20	14	13	8	-7	-20	-25	-32	-41	-45	-39	-30	-27	-29	-33
-28	-9	2	5	12	26	37	34	30	37	55	60	52	40	27	15	2	-11	-23	-32
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-9	-17	-15	-11	-13	-9	-1	4	2	0	1	1	4	12	13	8	6	6	6	6
7	12	24	35	33	27	27	29	27	22	13	0	-15	-31	-45	-53	-50	-50	-52	-47
-36	-20	-8	7	26	46	65	75	76	72	60	39	12	-10	-22	-37	-53	-62	-60	-59
-60	-56	-43	-27	-14	1	16	33	50	67	75	72	66	58	50	42	34	27	24	18
1	-15	-27	-34	-39	-47	-50	-38	-23	-17	-13	-7	2	7	9	9	7	1	-8	-7
1	10	15	15	11	4	0	-8	-16	-21	-30	-51	-67	-70	-71	-77	-89	-97	-88	-68
-55	-51	-46	-26	-2	8	10	15	22	26	28	24	14	-3	-25	-46	-58	-58	-63	-77
-73	-55	-46	-44	-35	-13	16	36	42	51	79	102	96	75	55	46	39	23	-4	-33
-54	-60	-62	-62	-66	-72	-63	-38	-26	-31	-73	1	24	45	55	64	60	52	38	30
23	13	2	-11	-27	-40	-52	-63	-71	-75	-76	-75	-71	-62	-45	-26	-9	7	23	39
49	44	34	30	26	17	3	9	16	22	22	21	18	13	6	-3	-17	-33	-42	-47
-47	-40	-32	-20	-7	1	4	6	8	11	19	27	34	37	41	52	68	83	85	69
53	45	40	34	26	16	11	18	25	24	19	20	23	21	20	19	16	12	11	20
31	42	58	71	80	85	80	71	58	47	32	11	-7	-16	-19	-19	-17	-17	-16	-6
6	17	26	29	26	23	20	17	5	-10	-22	-29	-28	-28	-32	-40	-45	-45	-46	-46
-44	-39	-31	-27	-29	-29	-22	-18	-21	-26	-31	-36	-39	-41	-43	-49	-56	-62	-64	-60

[illegible]

IIF091 71.104.0

STATION NO. 177  
INSTR PERIOD = 0.0590 SEC DAMPING = 0.5898

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
808 SOUTH OLIVE STREET, 8TH LEVEL, LOS ANGELES, CAL.

EPICENTER 34 24 00N, 118 23 42W  
CCMP DOWN 34 02 07N, 118 15 03W  
ACCELCROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 189.5 CM/SEC/SEC AT 8.58 SEC VELO = -12.2 CM/SEC AT 12.62 SEC DISP = 5.0 CM AT 11.90 SEC

2966 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC  
INITIAL VELO = -0.14842 CM/SEC INITIAL DISP = -0.24933 CM

-57	-200	-40	114	43	78	173	152	161	176	-16	-125	45	85	31	18	-71	-151	-125	-83
-49	-1	64	145	112	66	81	43	-82	-182	-156	-41	52	145	132	-84	-324	-275	-46	63
7	-70	-35	33	78	38	-52	-91	-88	-50	56	124	131	125	70	-8	-23	6	89	182
112	39	-29	-135	-135	-87	-45	52	201	281	197	67	-79	-110	-35	78	177	162	137	64
-117	-163	-96	-51	-6	83	143	-41	-260	-182	2	54	30	-138	-324	-387	-263	-128	-40	28
1	-29	24	128	194	110	102	162	57	-60	-110	-65	63	163	41	-222	-323	-133	70	89
49	-41	16	230	210	38	23	153	201	134	44	32	139	171	108	20	-85	-83	-75	-155
-236	-313	-230	-82	-91	-264	-212	109	350	366	232	33	-135	-203	-81	103	39	-136	-79	68
89	44	5	70	153	19	-376	-697	-696	-374	174	441	348	203	115	-38	-264	-270	-38	350
601	433	53	-200	-305	-317	-414	-474	-300	-87	31	55	100	276	450	460	200	-225	-305	-195
-180	-63	79	33	-175	-200	-67	-20	40	228	368	242	-60	-333	-303	-21	66	13	66	102
35	62	259	358	222	-253	-503	-301	-112	-156	-325	-387	-225	-61	31	79	140	238	204	28
-8	222	452	182	-346	-414	-43	154	21	-22	116	164	-107	-431	-253	300	695	610	524	602
345	-236	-740	-546	-21	-6	-187	-93	-8	-116	-222	-257	-107	117	-14	-307	-267	121	621	773
349	-170	-96	88	-303	-629	-171	636	643	12	-127	289	454	-174	-589	-60	207	-368	-483	113
533	571	307	92	-67	-260	-374	-26	489	404	93	225	290	23	-146	-189	-176	32	245	402
529	307	-159	-474	-424	-215	-35	175	390	401	148	-74	-166	-289	-285	-223	168	645	614	276
-388	-788	-481	-103	-180	-224	-1	73	-93	-141	98	313	247	139	219	489	357	-212	-314	170
281	-231	-557	-365	-45	-233	-687	-670	-107	266	295	628	1077	706	-176	-552	-368	-280	-555	-949
-730	-25	279	124	626	1276	898	239	-229	-517	-581	-596	-519	-338	-320	-464	-300	399	576	955
465	112	-279	-870	-850	-294	-56	-68	-197	-358	-10	491	473	-66	-228	159	226	-243	-488	-256
-256	-593	-656	-655	-516	-51	295	548	1235	1855	1594	505	-299	-659	-475	-119	-384	-1168	-1271	-552
198	588	708	664	469	263	-36	-327	-290	-105	-130	-315	-242	65	309	453	383	126	-57	73
45	-463	-802	-684	-267	-44	-161	-167	12	244	203	-156	-271	234	590	242	-224	-149	-51	-313
-737	-530	-689	-352	-255	-44	254	529	958	1113	789	403	163	27	-40	96	263	105	38	224
278	199	357	397	103	153	478	490	336	91	-405	-500	-190	-254	-387	21	501	443	50	23
366	755	548	742	487	9	-471	-521	-683	-879	-680	-447	-496	-228	775	1100	580	413	243	-27
-242	-736	-990	-376	217	439	545	479	414	251	-53	-79	-20	-28	118	293	456	469	332	180
-391	-1051	-822	-160	129	36	-33	27	-79	-342	-515	-308	29	36	-140	-272	-168	3	-135	-304
4	513	572	266	105	134	316	342	-172	-641	-371	-15	-300	-742	-885	-698	-338	-185	-117	55
148	34	-117	-131	-52	26	-73	-260	-137	53	53	-64	-384	-551	-280	-156	-288	-382	-332	-126
31	85	-121	-445	-444	-229	-156	-167	-113	-123	-84	78	252	406	383	250	309	572	734	603
230	219	243	195	66	30	91	58	-34	-41	-34	-143	-197	-56	17	55	67	-108	-212	-134
7	119	147	84	73	205	313	295	253	199	65	-52	-99	-115	-95	-115	-154	-150	-80	46
104	29	-81	-131	-79	32	204	353	348	204	104	219	334	227	33	-70	-95	-68	53	112
43	16	137	262	277	208	81	-42	-115	-147	-38	106	56	-70	14	222	294	191	79	148
340	322	76	-53	-131	-222	-213	-107	-29	-84	-214	-274	-232	-220	-299	-363	-329	-194	-46	29
45	43	52	106	152	145	75	17	56	135	173	124	69	73	52	10	69	191	275	260
133	-31	-149	-208	-207	-167	-170	-234	-224	-139	-66	22	47	10	125	358	411	210	-18	-78
-12	29	-18	-127	-217	-183	-129	-178	-304	-299	-91	115	160	80	-29	-129	-147	-139	-145	-163



-166	-82	16	54	-23	-172	-216	-101	36	88	-8	-147	-180	-174	-268	-382	-380	-241	-81	13
35	24	45	56	1	-36	7	54	38	6	19	48	59	25	-16	32	89	32	-72	-82
6	109	192	183	98	33	29	56	87	71	-22	-86	-43	64	140	135	57	27	109	114
1	-13	97	213	248	193	149	178	247	247	156	60	42	108	156	217	180	107	-16	-61
-1	30	6	-77	-159	-109	-11	3	13	58	108	125	-27	-156	-155	-89	-70	-31	17	49
52	6	-59	-40	47	96	117	155	181	149	97	71	72	102	110	80	76	122	157	124
47	-17	-58	-99	-150	-212	-237	-172	-115	-144	-169	-103	-27	-79	-216	-283	-227	-149	-171	-245
-257	-222	-217	-224	-174	-123	-139	-171	-153	-76	31	92	57	-41	-77	-22	0	-35	-45	-8
27	5	-66	-89	-29	34	34	-6	-43	-39	11	41	14	-16	28	125	154	58	-34	-29
18	58	86	85	64	50	35	8	-6	2	34	95	112	56	-6	-26	-11	15	36	34
25	29	45	87	102	60	33	34	17	-8	-30	-46	-31	-6	-40	-100	-65	25	63	33
0	25	104	160	138	117	199	269	205	84	8	21	92	122	64	-3	-2	52	96	76
3	-54	-40	10	32	-11	-92	-149	-147	-115	-122	-160	-172	-131	-64	-24	-60	-129	-176	-147
-101	-114	-155	-161	-109	-50	-22	-50	-94	-104	-69	-20	12	7	-18	-37	-38	-8	36	58
61	50	24	12	37	66	69	44	18	14	27	43	86	159	196	171	144	135	114	89
67	59	77	88	71	50	28	26	36	17	-20	-19	33	81	67	32	27	29	-1	-34
-28	-20	-37	-67	-80	-22	25	-47	-141	-139	-58	14	4	-27	-13	11	-9	-53	-50	-21
-20	-41	-25	20	21	-17	-17	54	101	70	35	16	21	53	68	28	-15	1	29	20
-20	-67	-111	-120	-79	-33	-18	-62	-105	-104	-93	-85	-87	-86	-38	16	-13	-103	-160	-112
-24	-18	-81	-101	-39	23	16	-49	-84	-40	29	55	44	30	18	13	29	70	94	84
61	43	47	72	79	38	7	44	100	111	56	13	56	133	135	63	-13	-34	4	25
-5	-46	-36	12	13	-51	-84	-38	28	65	67	75	104	91	30	-2	-5	-4	15	65
108	95	52	9	1	40	79	99	99	82	81	102	92	51	45	78	81	34	-9	-24
-13	-6	-15	-20	12	-49	24	-46	-69	-40	-5	-2	-32	-59	-56	-30	-11	-27	-61	-110
-88	-76	-92	-97	-73	-28	-2	2	-4	-1	4	-11	-33	-36	-13	4	-2	-12	-31	-72
-107	-95	-32	37	74	64	47	55	44	-12	-54	-43	5	44	30	-20	-68	-89	-69	-47
-48	-63	-71	-78	-88	-101	-100	-80	-49	-22	-19	-36	-55	-73	-80	-57	-11	9	-8	-7
38	63	62	62	67	84	98	80	46	60	121	150	119	54	-23	-70	-54	-20	-1	6
13	19	12	-5	-17	-25	-33	-38	-39	-27	-4	13	23	36	45	43	27	28	40	49
48	18	-43	-93	-85	-45	-13	-5	-10	-13	-16	-18	-14	-5	6	24	45	51	31	5
-5	-8	3	33	44	15	-15	-18	-28	-45	-24	29	61	38	-11	-39	-27	-7	-16	-19
-4	13	24	24	20	17	18	28	37	39	38	41	47	52	46	33	21	17	24	20
-26	-85	-101	-69	-22	-4	-37	-63	-47	-34	-63	-59	-98	-75	-68	-70	-53	4	30	-12
-39	-3	47	57	32	17	15	16	-2	-9	8	21	27	39	56	59	46	32	41	73
71	0	-79	-77	-13	25	11	4	18	22	5	-13	0	26	24	3	-20	-29	-29	-38
-44	-21	14	21	13	12	27	26	-35	-11	-117	-61	-13	-10	-25	-13	22	35	35	35
31	22	13	25	47	60	41	10	21	74	104	65	47	8	1	12	22	32	41	49
45	34	42	42	5	-32	-19	12	8	-21	-36	-22	22	65	71	34	13	9	14	12
-1	-29	-57	-68	-60	-48	-47	-59	-60	-23	19	5	-42	-49	16	82	76	0	-60	-71
-68	-63	-61	-60	-52	-34	-19	-8	-3	-5	-15	-26	-26	-30	-49	-64	-70	-73	-73	-79
-78	-56	-42	-50	-49	-14	32	38	15	12	44	59	23	-25	-52	-46	-46	-55	-54	-22
15	27	26	22	20	23	31	28	16	29	32	10	-2	14	31	12	-11	13	59	62
16	-18	1	37	26	-12	-26	-20	-13	-12	-10	8	37	47	45	48	42	34	24	22
33	32	18	3	4	18	24	20	12	25	43	37	21	27	51	48	15	4	13	28
36	35	33	20	6	-2	-4	4	15	27	32	26	6	-29	-53	-10	65	73	15	-41
-58	-75	-120	-156	-127	-30	53	58	21	-2	7	2	-70	-127	-89	-34	-60	-105	-73	34
95	34	-43	-2	123	150	53	-29	-63	-57	-59	-59	-23	4	-35	-91	-62	6	24	-6
-28	39	142	163	83	-49	-106	-38	15	-14	-76	-102	-91	-91	-67	-49	-3	42	64	29
-6	12	20	-4	1	17	-3	-59	-104	-103	-57	30	78	30	-42	-34	42	77	77	69
-16	-117	-127	-67	10	17	-57	-97	-44	42	53	2	-45	-27	38	61	27	-18	-47	-2

78	82	7	-55	-45	9	56	41	-19	-36	-10	30	64	71	33	9	46	95	99	42
-26	-26	8	19	-18	-54	-63	-58	-34	-12	8	28	53	80	101	108	81	34	-2	-32
-61	-85	-91	-64	-24	-6	-26	-45	-16	28	50	57	60	61	59	53	42	20	-2	-7
-39	-40	-47	-42	5	-20	-5	-45	24	37	56	63	91	71	46	23	5	-13	-32	-39
-6	28	32	15	-7	65	94	68	17	-5	10	11	-24	-47	-50	-43	-24	-8	-23	-36
-21	-21	-36	-51	-33	-9	10	25	19	-12	-38	-33	-21	-29	-46	-45	-22	-14	-22	-27
41	37	37	27	10	-12	-31	-24	-39	-13	13	17	12	2	11	28	47	63	64	51
-4	-4	-4	-2	3	-9	16	-20	-22	-14	15	17	52	58	38	13	-6	-8	-5	-4
31	7	-13	-5	18	34	34	23	23	28	31	28	20	11	5	68	60	31	21	32
-16	-19	-17	-13	-7	1	13	21	5	-24	-46	-57	-58	-58	-55	-49	-40	-33	-32	-31
-26	-22	-22	-24	-20	-20	-25	-33	-40	-38	-35	-39	-40	-37	-42	-51	-55	-49	-29	-12
-16	-15	-24	-14	-18	-32	-36	-15	15	28	25	30	46	47	31	17	14	6	-14	-35
-33	-15	9	21	25	33	33	16	3	9	22	30	25	23	23	20	15	8	2	0
-3	-5	6	24	32	26	11	3	11	19	19	11	6	11	25	30	24	39	65	77
67	61	70	69	59	41	24	20	16	3	-1	13	26	26	17	20	34	26	0	-6
14	10	-14	-27	-23	-15	-28	-51	-45	-13	1	-4	-6	7	1	-22	-40	-37	-18	-5
-14	-44	-58	-43	-33	-44	-58	-51	-26	-10	1	5	0	-11	-18	-24	-31	-36	-32	-23
-17	-13	-9	-10	-17	-18	-9	-13	-33	-44	-42	-36	-42	-50	-46	-35	-25	-20	-19	-24
-19	-3	4	2	1	1	-1	-4	-5	-2	-1	-11	-19	-21	-23	-21	-11	2	14	16
4	-4	-3	2	9	7	5	11	3	-6	7	26	37	31	18	12	17	22	21	10
-7	-15	-14	-10	-20	-31	-20	13	43	45	28	14	6	5	1	-7	-15	-18	-14	-10
-15	-17	-9	2	9	12	11	2	-13	-16	-11	-9	-18	-28	-21	-6	-5	-10	0	19
24	23	24	28	39	38	19	3	-2	-5	-6	-6	-7	-9	-15	-24	-20	-5	-9	-23
-24	-16	-10	-12	-14	-6	10	15	11	8	6	2	-6	-12	-13	-12	-12	-13	-11	-6
-10	-28	-34	-31	-26	-15	-2	9	19	26	31	35	41	45	46	45	42	37	30	29
37	40	40	31	15	3	2	7	14	21	27	27	22	21	27	23	17	25	39	41
29	22	19	16	22	30	27	21	13	10	30	46	35	27	27	22	15	-1	-15	-22
-10	2	12	20	25	26	23	16	1	-13	-21	-20	-13	-10	-12	-19	-28	-32	-18	-26
-27	-32	-38	-31	-17	-9	-12	-14	-18	-25	-29	-26	-19	-15	-15	-16	-10	-2	-2	-10
-20	-20	-15	-24	-40	-49	-45	-42	-46	-44	-28	-9	2	6	-3	-18	-30	-38	-42	-44
-44	-44	-43	-41	-33	-24	-15	-10	-14	-18	-13	-2	-1	-6	1	19	24	12	11	23
36	38	34	36	38	31	16	6	7	21	23	6	-4	-2	4	7	8	14	18	21
23	21	20	19	16	14	19	21	19	24	24	11	8	21	31	33	27	19	6	-2
6	15	16	9	8	11	15	12	2	-5	-3	2	2	-3	-4	-4	-3	-2	-5	-5
-4	-2	3	7	7	-3	-13	-19	-24	-25	-20	-14	-4	6	5	1	-4	-6	-13	-5
14	17	8	-3	-17	-24	-21	-22	-20	-21	-27	-25	-4	15	25	16	7	4	4	7
12	19	18	2	-14	-14	-4	-3	-12	-15	-15	-15	-17	-22	-27	-26	-15	-9	-15	-20
-22	-12	9	19	20	19	17	14	7	-5	-12	-15	-19	-15	-1	14	10	-5	-12	-12
-12	-12	-10	-1	5	1	-6	-8	-7	-7	-9	-7	11	30	26	10	2	5	13	16
7	0	-1	2	6	2	5	17	14	-2	-17	-23	-16	-10	-11	-11	-12	-12	-12	-4
7	7	3	10	25	33	21	4	-3	-3	-3	-6	-17	-32	-22	-5	-14	-23	-20	-11
-4	11	0	-14	-11	-1	-3	-14	-24	-16	6	15	12	4	1	-1	-3	0	2	-3
-6	-11	-20	-25	-23	-11	4	13	18	30	36	16	4	13	18	13	1	-4	-4	-4
-5	-5	-7	-11	-14	-14	-10	-6	-7	-11	-15	-14	-11	-10	-16	-26	-21	4	19	17
4	-11	-17	-9	-5	-10	-8	-6	-7	-5	-6	-11	-9	-4	1	12	23	26	19	13
17	30	44	43	39	53	59	41	27	17	12	11	9	10	20	30	41	48	43	41
46	47	44	45	34	17	18	31	29	20	16	7	5	17	32	35	26	17	14	11
3	-9	-23	-31	-23	-9	-12	-24	-26	-19	-12	-8	-15	-26	-27	-14	-3	-14	-23	-12
-2	-4	-10	-11	-4	3	-1	-14	-10	2	1	-6	-14	-23	-25	-15	-4	-1	4	8



IIF092 71.105.0  
STATION NO. 190  
INSTR PERIOD = 0.0470 SEC DAMPING = 0.5667

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
2011 ZCNAL AVENUE, BASEMENT, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CMP S62E 34 03 36N, 118 12 16W  
DISP = -10.3 CM AT 6.54 SEC

PEAK VALS

ACLN = 64.2 CM/SEC/SEC AT 0.66 SEC VELO = -13.8 CM/SEC AT 5.76 SEC INITIAL DISP = -0.23362 CM

1685 INSTRUMENT AND BASELINE CORRECTED DATA IN CM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-120	-78	-153	-21	60	-74	-122	-135	-154	-297	-365	-281	-200	-112	-181	-377	-303	-300	-360	-201
-11	103	165	229	204	128	160	224	279	303	217	222	496	642	428	266	142	-49	-104	110
175	237	143	64	69	14	39	44	-47	-37	-50	-191	-200	-192	-142	-92	-49	-46	-45	-41
-100	-158	-94	66	39	-88	-87	-113	-36	8	80	-80	-293	-242	31	107	78	-101	-82	45
59	-102	-217	-185	20	196	208	75	-177	-317	-177	-27	369	608	538	565	554	394	217	216
281	283	354	428	364	205	42	118	341	479	413	210	-22	-179	-133	-52	29	87	62	-205
-430	-386	-218	-121	-194	-243	-280	-304	-384	-485	-474	-512	-634	-607	-346	-144	-212	-268	-273	-305
-441	-448	-211	-28	24	171	293	410	493	543	607	564	367	179	12	18	171	360	462	523
559	312	-56	-342	-434	-383	-273	-41	57	-26	-183	-252	-132	12	-68	-311	-221	-28	-50	-110
-55	4	19	101	95	91	201	171	60	250	352	255	98	-36	24	-38	-232	-219	-82	137
72	0	97	41	-66	-140	-96	-16	-42	-198	-212	-179	-151	-104	-165	-114	38	-34	-203	-261
-267	-184	-105	-67	-153	-249	-236	-177	-16	102	-29	-134	-135	-107	-122	-59	33	120	-36	-309
-348	-419	-491	-273	-103	-124	-112	-45	81	307	481	375	282	289	250	152	51	-60	-127	-226
-359	-381	-329	-254	-390	-414	-165	113	169	32	-147	-269	-291	-284	-258	-186	-110	-33	-6	-92
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IIF092 71.105.0  
 STATION NO. 190  
 INSTR PERIOD = 0.0470 SEC CAMPING = 0.5778  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 2011 ZONAL AVENUE, BASEMENT, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP S28N 34 03 36N, 118 12 16W

PEAK VALS ACCLN = 79.1 CM/SEC/SEC AT 4.06 SEC VELO = -11.6 CM/SEC AT 9.14 SEC CISP = 6.3 CM AT 8.10 SEC

INITIAL VELO = -0.05266 CM/SEC INITIAL DISP = -0.29183 CM

1682 INSTRUMENT ANC BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

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19	-56	-199	-265	-123	-160	-44	-31	-198	-70	66	-27	-70	-184	-253	-140	-10	-44	-94	23
157	164	68	-13	-208	-386	-275	-7	19	-128	-151	22	277	320	178	-122	-148	-40	-188	-93
89	146	-49	40	165	169	-6	-155	-231	-338	-332	-152	66	210	301	377	379	308	168	308
288	165	135	71	65	-5	-105	-314	-395	-180	-237	-386	-273	-117	61	210	139	85	146	97
-71	-212	-240	-301	-384	-465	-453	-243	-88	-200	-197	-249	-293	-319	-305	-247	-123	-16	-20	-1
26	43	136	207	87	-167	-242	-162	-26	255	309	291	412	522	493	472	358	279	144	-57
-89	115	156	76	227	294	134	37	-7	41	-86	-51	83	0	-185	-331	-261	-42	171	62
-188	-247	-203	-216	47	322	530	707	428	164	241	310	-54	-439	-565	-676	-623	-471	-384	-261
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515	589	703	791	758	722	614	361	113	-130	-285	-322	-285	-228	-210	-259	-294	-322	-261	-50
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10	-18	-22	-9	-10	1	22	32	24	23	25	9	-18	-37	-55	-70	-78	-76	-62	-41
-17	-6	-3	11	23	16	6	-2	0	6	9	11	13	12	11	21	26	14	7	4
3	4	8	11	19	31	39	42	42	32	20	21	33	35	25	15	15	30	34	15
-1	0	11	13	0	-9	0	8	-2	-18	-20	-19	-19	-15	-20	-28	-37	-42	-42	-41
-36	-17	6	14	4	-4	-6	-6	-6	-9	-21	-34	-38	-37	-36	-28	-6	11	16	3
-20	-31	-27	-20	-14	-9	-8	-8	-7	-7	-8	-9	-10	-12	-10	-2	8	16	22	27
20	0	-17	-27	-28	-30	-31	-31	-30	-29	-23	-13	-4	-5	11	6	-1	-8	-18	-29
-40	-47	-47	-27	-28	-30	-31	-31	-30	-29	-23	-13	-4	-5	11	6	-1	-8	-18	-29

IIF092 71.105.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N,118 23 42W  
 STATION NO. 190 2011 ZCNAL AVENUE, BASEMENT, LOS ANGELES, CAL. COMP DOWN 34 03 36N,118 12 16W  
 INSTR PERIOD = 0.0480 SEC DAMPING = 0.5925 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -48.7 CM/SEC/SEC AT 3.24 SEC VELO = -7.1 CM/SEC AT 4.00 SEC DISP = 3.8 CM AT 3.70 SEC

1684 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																			
INITIAL VELO = -1.88292 CM/SEC INITIAL DISP = -1.03556 CM																			
-52	-113	38	86	-62	-96	93	79	-220	-62	218	253	235	186	265	146	-228	-118	328	133
-86	102	226	38	-275	-131	223	201	17	-152	-188	-90	-80	-261	-167	-40	-47	-55	56	270
126	-79	-132	154	132	-306	-211	208	314	192	119	-7	79	260	291	22	-214	-25	73	-21
-98	88	212	-22	-125	48	-9	-113	-67	-140	-269	-185	9	118	121	-23	-2	279	372	82
-244	-199	325	422	-9	-160	70	145	11	-167	-114	68	91	-120	-27	146	108	-98	-64	87
53	-60	1	36	-116	-258	-60	161	72	-14	110	250	156	-3	-83	53	116	-61	-177	-71
-4	-87	-128	20	101	62	-2	-52	-135	-61	54	91	64	73	110	78	-8	25	32	-22
36	45	-34	55	230	137	-39	-121	-116	40	196	-1	-283	-197	-62	-72	-241	-383	-429	-281
4	-130	-487	-173	67	95	124	263	280	182	127	-2	-155	-142	-15	-13	48	-37	-107	-10
55	100	36	-66	-101	-97	-214	-297	-287	-215	-203	-192	-214	-351	-444	-417	-280	-128	-56	-135
-26	180	269	140	81	157	302	245	105	19	85	16	-81	-103	-134	-56	-56	-129	-134	-85
-72	-94	-108	-45	43	30	-57	-115	-15	146	104	-62	-8	143	235	168	99	182	159	-143
-157	63	134	23	47	62	-38	-147	-181	-63	142	222	228	314	374	386	281	93	-51	-67
-54	-187	-220	-116	83	199	188	93	31	107	189	115	13	5	163	355	394	282	122	78
106	82	148	232	276	231	38	-207	-154	-26	27	-7	-8	64	95	7	-18	-55	-65	-91
-3	-76	-209	-163	-42	90	139	70	-20	-50	-34	-71	-139	-166	-53	206	306	114	-79	-91
-15	-8	-179	-205	-43	76	35	-27	-17	22	-58	-175	-153	-115	-176	-77	152	226	151	108
109	92	28	-44	-28	42	114	134	122	53	5	67	133	25	-54	-46	-64	-132	-208	-218
-198	-259	-301	-244	-237	-323	-305	-288	-314	-249	-80	-9	-16	16	4	-20	-52	7	103	159
127	39	43	45	9	-48	-81	-10	134	97	-6	-4	25	89	60	-66	-50	49	61	16
-17	24	25	6	-49	-78	1	-12	-108	-122	-107	-124	-59	10	-27	-64	-65	-96	-92	-93
-120	-112	-88	-36	2	-55	-129	-139	-71	-27	-15	29	76	86	93	68	27	51	57	40
6	87	140	171	188	125	83	134	114	43	-37	-43	13	1	-100	-151	-112	-19	-33	-111
-118	-51	-38	-69	-97	-102	-22	60	61	11	18	69	71	38	2	-30	-2	106	144	66
56	82	105	87	31	-3	8	28	16	-33	-37	30	42	15	12	45	85	125	138	127
160	175	118	72	52	19	37	57	42	26	14	0	-17	-57	-50	28	64	47	20	10
22	28	21	36	34	15	9	9	-1	-52	-73	-34	-27	-98	-167	-195	-172	-129	-153	-189
-86	35	39	-10	5	81	144	129	101	114	157	146	92	15	-6	56	105	106	51	44
56	131	93	28	55	101	89	72	58	-5	-24	-24	-37	-93	-177	-181	-138	-150	-181	-193
-198	-168	-134	-123	-101	-66	-87	-91	-86	-110	-80	-33	-30	-21	16	26	-21	-55	-32	24
56	43	19	59	107	109	82	59	73	101	100	93	71	19	-16	37	69	-27	-74	-25
19	29	-5	-30	-30	4	13	-4	-8	20	48	24	-5	29	52	45	26	26	39	34
-15	-51	-10	42	45	34	46	47	14	10	17	-17	-1	41	28	-7	10	43	37	2
-4	-3	-1	3	4	4	-2	-19	-23	8	28	0	-32	-7	38	53	28	14	31	55
44	-24	-43	-4	26	-21	-48	-13	-7	-36	-60	-53	-8	-6	-42	-53	-47	-23	27	25
-1	25	54	38	-12	-40	-28	3	18	28	47	67	74	58	37	24	18	22	26	29
27	-2	-38	-42	-42	-67	-53	-19	-19	-32	-17	7	10	-10	-28	-25	2	20	11	1
13	5	-19	-45	-52	-29	-6	18	36	33	20	21	22	34	52	52	32	28	40	33
-3	-23	-2	17	15	1	8	23	-1	-30	-21	-36	-48	-33	-40	-44	-23	-26	-36	-28
-30	-31	-22	11	15	0	17	11	-10	27	35	11	-20	-40	-6	-6	-49	-54	-36	-25



-23	-26	-13	16	27	2	-27	-40	-12	22	4	42	63	50	23	27	34	14	-1
11	12	-9	8	18	7	-6	-21	-27	-31	-34	-17	-11	-2	15	29	9	-23	-17
23	47	43	24	24	39	37	6	-18	1	49	29	39	45	36	6	1	8	-31
-67	-34	5	-17	-30	3	20	23	22	26	12	8	17	-2	-22	-13	-4	6	15
22	9	-6	-5	-4	0	20	34	14	7	-28	-54	-23	-32	-49	-56	-30	-11	-37
-49	-14	20	20	-9	-19	-15	-12	-14	-33	-62	-23	-32	-69	-66	-43	-27	-15	-18
-17	-12	-9	3	12	-13	-24	-2	10	1	-22	-36	-26	-11	-6	-11	-15	-6	18
8	-25	-26	2	20	11	-2	-4	-1	2	9	27	-1	-13	13	32	10	-1	15
28	15	-9	-1	38	69	69	34	5	-3	20	-49	-32	-9	-15	-35	-47	-47	-42
-37	-24	-6	3	-16	-44	-36	-11	-9	-37	-41	0	-8	-15	-7	7	7	-11	-26
-17	9	18	2	-9	7	31	44	34	21	23	7	-18	-16	5	19	22	21	22
21	23	31	47	59	55	42	30	4	-29	-38	10	-13	-17	-6	-17	-9	8	-8
-36	-44	-29	-17	-22	-41	-30	-13	-24	-40	-49	-10	13	29	22	9	0	2	17
27	16	-6	6	21	16	1	9	23	23	11	13	16	0	-8	15	16	-11	-12
14	19	-5	-25	-10	-8	-20	-14	1	-2	-27	-19	-7	-5	-31	-33	-7	1	6
11	13	15	18	17	10	0	-9	-18	-22	-25	-13	-11	-14	-16	-25	-43	-12	-43
-31	-25	-27	-30	-33	-36	-30	-6	22	27	7	-19	4	30	26	11	3	16	38
46	42	38	35	31	28	21	7	-4	2	12	-14	-25	-10	6	14	4	-3	1
-6	-25	-39	-35	-22	-12	-2	4	8	11	13	22	28	32	32	29	27	22	13
4	-5	-11	-16	-27	-37	-20	-5	-3	-7	-7	14	21	26	32	34	32	19	2
12	30	21	6	2	18	34	36	31	28	24	12	14	30	28	8	16	24	17
6	8	-12	8	19	12	6	1	6	3	-20	6	-20	10	10	14	32	52	35
4	2	23	19	6	3	-1	-4	-9	-20	-33	-10	-20	-25	-16	-3	-10	-26	-3
28	14	-9	-4	-5	-4	20	26	-4	-9	10	-9	3	17	-8	-21	-3	17	9
-33	-52	-31	-9	2	5	11	22	22	-2	-6	-18	-28	-22	-16	-6	4	-8	-10
7	14	15	14	15	17	30	42	26	10	30	16	0	10	21	20	21	23	34
45	35	-5	1	28	27	6	9	19	11	-5	-3	-34	-25	-20	-13	-6	-4	-3
-2	8	23	18	-2	-7	-1	4	8	10	8	-8	4	-13	-21	-6	8	6	7
7	5	-12	-35	-36	-12	-13	-37	-29	-3	7	-15	-19	-17	-7	-1	-26	-62	-50
-1	-6	-48	-27	5	5	-21	-27	-2	19	20	14	28	24	8	-8	-37	-45	-2
10	-27	-23	-9	-18	-42	-32	12	7	-11	20	35	29	9	-5	15	39	35	-3
-8	11	16	1	-16	3	29	18	-19	-44	-30	2	-10	-18	-18	-8	4	3	-7
4	24	37	20	-10	-3	5	-20	-43	-46	-37	-31	-21	-4	11	25	28	9	-20
-17	4	13	1	-3	2	-3	-12	0	18	23	22	22	14	-1	6	29	45	57
56	35	18	17	27	10	-22	-24	3	10	-35	-4	18	1	-24	-27	-26	-26	-28
-30	-31	-28	-17	-10	-16	-19	-4	21	22	-9	-3	9	3	-1	5	15	21	17
8	0	-8	-15	-15	5	16	5	1	17	38	7	1	-4	4	7	-8	-2	8
4	-3	-9	-12	-11	-9	-1	3	-4	4	18	-4	-1	1	-3	-4	-7	-17	-22
-13	-5	-14	-18	-1	15	20	21	30	39	31	12	15	18	21	20	17	26	36
27	16	8	0	-8	-15	-19	-8	10	20	4	-9	-2	-15	-27	-22	-23	-35	-44
-28	-15	-10	6	-1	-19	1	4	-3	22	25	15	-1	-9	-2	-13	-30	-18	0
4	1	-2	-4	-6	-9	-13	-13	-4	-7	-25	4	19	-2	-15	-5	9	1	-15
-23	-17	-10	-12	-14	-18	-25	-25	-9	2	-4	-13	9	11	-5	-9	-2	3	5
5	5	5	3	0	-3	-6	-8	-9	-7	-1	12	15	11	4	1	1	-9	-29
-42	-36	-22	-18	0	-3	-6	-8	-9	-7	-1	12	15	11	4	1	1	-9	-29

IIFO93 71.106.0  
STATION NC. 191  
INSTR PERIOD = 0.0480 SEC DAMPING = 0.568

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
2011 ZCNAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTEREC BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CMP S62E 34 03 36N, 118 12 16W

PEAK VALS ACCLN = -150.1 CM/SEC/SEC AT 3.52 SEC VELO = -15.1 CM/SEC AT 5.76 SEC DISP = -8.7 CM AT 6.94 SEC

INITIAL VELO = -1.18737 CM/SEC INITIAL DISP = 0.12634 CM

1680 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

377	170	-99	-231	-189	-36	181	282	200	-68	-437	-603	-662	-692	-647	-364	-76	26	-176	-463
-674	-793	-628	-45	568	888	801	450	65	-144	-30	316	788	1092	1023	736	553	376	167	47
-21	-38	113	386	450	-275	-178	-233	-603	-689	-491	-178	33	67	17	-125	-426	-706	-591	-193
264	455	405	104	-173	-275	-168	148	358	269	147	38	5	-59	-165	-288	-343	-296	-141	78
217	78	-193	-413	-404	-331	-286	-204	195	572	560	282	-177	-485	-395	103	811	1224	1234	897
433	-8	-269	-275	23	611	1044	1130	773	152	-299	-491	-248	548	1007	888	373	-313	-779	-904
-760	-286	66	119	-96	-456	-721	-762	-725	-589	-347	-106	-79	-227	-380	-455	-533	-535	-377	-18
188	44	-132	-401	-654	-732	-499	-14	408	594	641	541	415	306	266	408	655	780	754	634
540	659	829	867	819	632	256	-319	-792	-928	-670	-55	302	217	-345	-1122	-1501	-1489	-1056	-579
-5	371	426	259	66	-132	-163	78	653	978	1026	906	518	280	240	236	244	290	355	261
28	-300	-421	-354	-314	-322	-347	-430	-572	-688	-663	-480	-241	-143	-110	-20	101	211	281	346
486	572	371	92	-165	-186	-76	74	11	-189	-492	-685	-689	-579	-470	-451	-418	-358	-324	-276
-122	59	88	-48	-238	-372	-338	-100	253	440	383	221	104	56	80	122	153	246	424	500
415	211	-4	-213	-341	-333	-225	-151	-269	-506	-617	-547	-417	-337	-414	-551	-684	-699	-595	-323
-25	201	303	196	-79	-329	-403	-231	113	464	645	458	278	103	16	-37	-53	-22	38	54
15	-24	-23	-7	12	-5	-19	-9	12	67	142	259	444	551	700	690	478	239	89	-9
-44	-29	38	122	127	10	-182	-315	-342	-332	-321	-319	-318	-272	-45	277	409	389	318	245
165	126	155	254	371	478	589	598	546	405	247	185	174	182	220	243	281	263	192	42
-64	-33	62	86	65	81	134	233	303	341	348	283	201	171	119	57	9	-20	-79	-160
-203	-234	-242	-215	-215	-294	-390	-424	-324	-214	-103	62	176	246	309	325	291	232	214	265
364	473	511	467	362	224	93	-2	-31	-68	-145	-265	-401	-525	-644	-734	-789	-829	-803	-703
-617	-534	-453	-364	-249	-78	105	242	341	435	508	515	440	330	269	266	299	298	232	113
-7	-148	-259	-338	-364	-362	-346	-340	-380	-447	-499	-526	-438	-277	-145	-99	-112	-119	-86	20
104	189	247	285	307	313	302	256	189	124	72	44	14	-14	-40	-67	-116	-182	-280	-420
-507	-435	-253	-74	20	54	1	-121	-181	-181	-122	16	199	310	333	289	202	128	88	71
66	100	177	272	335	337	288	215	141	87	67	98	145	155	136	86	11	-55	-130	-190
-199	-163	-113	-80	-110	-198	-297	-337	-343	-348	-324	-260	-191	-177	-154	-225	-253	-239	-205	-173
-101	8	132	202	218	218	183	121	54	25	28	53	105	167	173	106	-23	-177	-308	-346
-333	-259	-158	-42	56	102	74	10	-35	-52	-14	56	213	265	292	265	189	132	99	110
158	172	125	44	-55	-131	-175	-191	-178	-162	-155	-178	-211	-225	-237	-260	-243	-164	-88	-46
11	69	126	183	234	266	274	288	280	284	269	258	272	261	222	184	141	113	109	129
145	142	122	100	84	75	77	86	91	102	119	130	87	31	-7	-30	36	129	155	156
138	121	61	-37	-90	-116	-94	-20	49	74	56	33	-1	-42	-97	-113	-68	9	66	80
57	14	-22	-30	-27	-38	-70	-152	-244	-283	-292	-291	-305	-336	-376	-406	-391	-334	-228	-123
-76	-52	-57	-56	-49	-44	11	176	292	293	255	56	28	19	84	20	20	19	12	-14
-65	-173	-260	-274	-239	-172	-122	-104	-107	-127	-157	-145	-86	-2	84	139	168	159	125	89
73	81	96	122	157	181	180	152	99	22	-39	-66	-78	-72	-44	16	76	106	101	83
64	60	81	140	199	226	223	199	157	104	75	65	59	59	61	32	-27	-99	-164	-242
-258	-216	-171	-130	-96	-77	-67	-60	-53	-31	23	93	157	207	223	220	210	198	195	199
189	174	161	151	125	59	1	-53	-73	-77	-82	-85	-81	-74	-65	-73	-75	-59	-30	5

27	60	99	97	48	-7	-1	32	42	34	16	-19	-80	-128	-150	-160	-154	-139	-142	-163
-185	-192	-168	-125	-86	-66	-57	-69	-84	-102	-119	-79	-80	46	74	79	58	9	-36	-77
-107	-117	-114	-88	-52	-72	-143	-191	-190	-157	-114	-80	-65	-57	-53	-48	16	113	139	150
142	140	137	138	135	129	112	88	54	25	3	1	-2	-12	-54	-89	-92	-82	-60	-23
9	29	38	52	91	150	215	250	252	251	230	188	165	154	145	126	83	36	0	-25
-75	-123	-153	-182	-204	-214	-213	-199	-162	-104	-69	-43	-25	-18	-3	20	69	173	248	279
281	248	216	193	200	251	298	298	231	128	21	-90	-146	-169	-163	-160	-164	-167	-161	-154
-150	-147	-136	-126	-124	-105	-41	19	54	83	89	67	44	16	-11	-32	-44	-57	-71	-94
-128	-157	-178	-194	-197	-202	-225	-267	-266	-209	-141	-112	-97	-67	-21	37	68	77	81	105
161	187	184	172	151	126	95	45	-31	-82	-85	-68	-53	-56	-81	-127	-171	-199	-158	-164
-117	-60	-25	-24	-31	-42	-37	10	54	96	143	189	209	217	205	185	162	138	113	84
69	68	56	24	-16	-56	-89	-102	-84	-66	-48	-20	-126	3	6	24	90	141	138	112
79	51	46	86	134	150	127	84	25	-40	-99	-120	-191	-128	-99	-96	-124	-169	-193	-210
-209	-189	-138	-61	5	47	67	83	102	131	165	181	191	195	188	167	143	114	81	66
54	11	-39	-85	-124	-137	-148	-159	-165	-157	-128	-90	-68	-51	-51	-51	-39	10	67	115
156	187	207	203	168	124	94	76	65	60	38	-5	-71	-142	-218	-269	-301	-313	-294	-261
-248	-250	-242	-223	-185	-125	-55	28	113	159	188	207	220	235	245	261	265	267	254	223
172	99	34	-18	-57	-87	-108	-115	-131	-171	-205	-233	-250	-227	-175	-123	-91	-75	-67	-62
-42	-5	48	122	177	194	186	166	135	112	108	120	113	77	36	-11	-36	-32	-29	-28
-31	-35	-34	-38	-30	13	67	114	126	126	121	117	114	111	108	111	106	94	84	25
-8	-45	-75	-95	-116	-133	-139	-147	-157	-159	-161	-164	-152	-127	-94	-56	-16	12	30	49
67	65	97	108	115	116	114	102	73	49	35	41	40	28	31	26	-18	-52	-74	-89
-92	-90	-84	-73	-64	-66	-79	-80	-56	-37	-23	-21	-19	-11	-4	1	8	16	23	25
23	19	21	17	7	-12	-41	-52	-42	-23	-2	-15	-37	-52	-54	-35	-8	5	4	7
13	10	2	6	14	21	38	43	27	23	23	23	29	40	35	24	12	0	-12	-10
-1	1	-2	-15	-21	-24	-26	-31	-35	-37	-38	-44	-51	-54	-47	-42	-43	-37	-22	-9
-2	13	38	53	59	62	60	56	51	53	59	65	67	57	46	39	35	32	31	33
36	35	34	30	14	-12	-29	-39	-28	-14	-16	-13	-15	-25	-24	-11	4	19	44	71
74	76	79	82	81	80	79	77	66	29	-3	-11	-21	-35	-50	-64	-78	-90	-97	-97
-87	-58	-31	-16	-4	11	10	11	19	51	76	75	81	102	107	103	96	80	58	25
-11	-39	-62	-68	-68	-71	-79	-98	-122	-135	-142	-121	-89	-48	-10	-13	-20	-26	-27	-13
28	70	77	84	78	51	37	34	42	50	51	42	22	-21	-64	-85	-93	-71	-42	-24
-40	-74	-111	-117	-71	-4	26	23	-4	-27	-22	16	74	111	117	110	93	78	63	67
102	135	135	107	62	-26	-102	-93	-57	-12	0	-8	-51	-94	-133	-136	-101	-64	-55	-66
-73	-65	-52	-27	-13	18	61	92	107	92	68	38	6	2	16	33	49	49	32	-2
-52	-93	-122	-121	-74	-36	-21	-18	-15	-18	-24	-41	-69	-60	-21	6	28	42	44	48
56	51	31	9	3	26	44	56	53	39	15	-3	-19	-28	-27	-21	-24	-30	-21	-23
-56	-76	-80	-38	6	30	42	24	-31	-75	-88	-62	-17	13	39	44	31	10	-21	-23
8	43	71	60	35	18	12	12	17	30	43	34	12	6	6	9	11	24	47	58
52	32	6	-10	-21	-30	-3	17	24	21	10	-26	-58	-49	-6	40	67	82	79	51
15	-17	-40	-41	-42	-47	-48	-57	-72	-85	-93	-94	-76	-55	-28	6	19	11	2	6
20	35	44	58	68	66	60	47	13	-13	-13	-20	13	33	-11	-31	-61	-70	-60	-38
-17	2	11	6	-9	-20	-23	-3	26	42	48	40	17	-11	-23	-15	4	30	35	27
8	-19	-31	-17	7	33	53	44	28	16	-3	-23	-30	-26	-26	-15	-1	0	-10	-15

IIFO93 71.106.0  
STATION NO. 191

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
2011 ZONAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL.

EPICENTER 34 24 00N, 118 23 42W  
COMP S28W 34 03 36N, 118 12 16W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.0470 SEC DAMPING = 0.5403

PEAK VALS ACLN = 135.7 CM/SEC/SEC AT 0.32 SEC VELO = -14.5 CM/SEC AT 8.72 SEC CISP = 6.5 CM AT 7.58 SEC

INITIAL VELC = 0.01545 CM/SEC INITIAL DISP = -0.6C184 CM

1681 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS CF 0.02 SEC

-614	-476	-103	14	-300	-541	-462	-191	140	365	237	-155	-461	-305	590	1233	1357	1223	835	272
-182	-115	410	854	955	667	89	-647	-923	-882	-571	-265	-206	-343	-639	-571	-1030	-728	-383	-99
281	458	344	151	184	335	426	451	403	269	317	520	480	142	-207	302	-241	-184	-326	-572
-651	-578	-587	-455	-70	186	46	-110	-68	62	29	-18	227	501	492	520	533	546	531	541
401	67	-214	-168	88	279	303	230	-30	-436	-706	-761	-606	-269	-23	-42	-150	-107	-221	-362
-282	2	165	108	-107	-242	-88	53	-12	-32	81	137	-11	-305	-484	-510	-502	-508	-459	-357
-191	-61	-145	-399	-463	-250	157	442	492	166	-102	-36	272	777	1265	1233	938	561	235	40
5	166	360	441	417	144	-237	-498	-474	-118	-42	-292	-407	-403	-356	-287	-109	-35	-212	-350
-239	4	274	474	320	-43	-260	-270	111	879	1298	1183	697	-79	-557	-687	-705	-480	-78	238
146	-251	-555	-669	-564	-411	-330	-450	-739	-864	-750	-455	-208	-31	161	375	363	69	-201	-110
-9	142	727	1164	1064	855	559	377	313	383	494	456	357	172	-39	-164	-204	-254	-320	-473
-660	-802	-865	-706	-340	-156	-137	-185	-220	-74	204	455	678	809	656	313	96	110	313	479
581	507	183	-391	-825	-916	-495	-47	150	79	-239	-685	-1017	-1090	-874	-368	401	884	570	811
500	267	253	350	350	292	220	150	186	319	386	361	233	-70	-467	-901	-1239	-1050	-158	425
614	512	-45	-608	-899	-852	-549	145	962	1353	1213	602	-420	-659	-621	-262	212	320	318	33
-439	-815	-907	-684	-280	-109	-163	-426	-748	-941	-831	-356	208	766	916	794	678	620	653	828
1162	1230	1029	776	665	631	605	548	369	65	-160	-426	-655	-754	-765	-735	-770	-888	-1027	-1067
-915	-623	-311	-9	184	170	127	106	209	404	753	1052	1095	1004	810	550	292	151	170	367
554	501	267	-81	-594	-1045	-1116	-771	-250	-28	23	-49	-304	-441	-357	-178	43	217	300	274
277	376	547	728	700	456	53	-226	-388	-478	-431	-243	-4	31	-127	-361	-620	-792	-880	-873
-749	-467	-122	36	-9	-179	-305	-309	-249	-105	132	346	407	282	86	-67	-224	-298	-291	-163
-12	-25	-249	-469	-578	-565	-467	-294	-61	55	-35	-245	-462	-583	-505	-297	62	481	619	619
460	253	49	-57	-20	117	273	368	330	206	18	-212	-359	-388	-331	-230	-155	-106	-188	-381
-470	-413	-293	-176	-68	54	185	298	368	403	436	468	562	656	751	853	897	802	612	437
309	222	251	298	310	279	168	-1	-264	-446	-514	-460	-316	-182	-83	-25	-2	-17	-40	-35
12	79	163	280	374	438	424	342	269	220	205	166	92	56	54	16	73	-135	-194	-214
-224	-221	-224	-222	-207	-135	-69	-48	-96	-121	20	215	287	283	237	253	295	327	327	301
242	117	-96	-210	-164	-58	-32	-110	-180	-196	-198	-156	-66	40	16	-113	-199	-145	21	181
316	435	441	307	41	-129	-154	-95	-10	12	-19	-101	-214	-324	-447	-541	-558	-484	-362	-314
-302	-317	-324	-296	-178	-28	82	145	173	160	117	133	244	332	337	290	148	-15	-113	-166
-154	-130	-101	-67	-54	-153	-359	-515	-517	-404	-233	-58	60	120	101	30	-46	-104	-106	-20
168	375	474	457	328	179	47	-21	28	120	162	110	2	-131	-245	-271	-198	-104	-75	-98
-107	-104	-108	-135	-141	-69	18	75	101	134	198	233	232	192	155	144	156	155	126	124
145	128	51	-24	-45	-65	-89	-110	-107	-74	-74	-144	-208	-239	-215	-145	-77	-20	6	7
12	5	-17	-29	4	56	98	112	101	77	51	29	1	-41	-63	-50	20	107	119	10
-135	-172	-116	0	66	108	140	96	-6	-83	-44	108	211	238	233	181	88	-11	-27	53
130	102	15	-70	-119	-89	2	76	56	-48	-155	-241	-273	-235	-128	4	93	85	-6	-84
-117	-56	48	135	204	162	69	9	14	79	118	137	83	33	15	-21	-84	-56	-36	16
46	3	-91	-182	-183	-81	24	100	166	207	160	61	-40	-91	-62	22	104	172	202	159
56	-67	-154	-163	-103	-18	35	15	-52	-121	-136	-107	-73	-36	0	-11	-77	-131	-146	-96



IIF093 71.106.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 191 2011 ZONAL AVENUE, 5TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0470 SEC DAMPING = 0.5485 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 03 36N, 118 12 16W

PEAK VALS ACCLN = 63.2 CM/SEC/SEC AT 0.98 SEC VELG = -8.6 CM/SEC AT 4.04 SEC DISP = -4.8 CM AT 5.56 SEC

INITIAL VELO = -0.99107 CM/SEC INITIAL DISP = 0.10871 CM

1681 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

126	159	-192	-364	-131	94	215	79	-139	-341	-361	-132	338	605	545	67	-164	-106	-70	153
470	347	74	-58	-22	10	-11	-10	35	71	98	-13	-276	-362	-266	-215	-146	-57	-58	-70
-58	19	182	152	-1	-184	-182	2	307	632	391	-92	-205	-123	285	572	431	-150	-566	-432
-67	201	205	87	-82	-218	-203	110	256	-117	-354	-290	-185	-20	83	20	7	68	155	194
224	174	57	-126	-43	231	280	126	-55	-102	28	55	18	-82	-16	73	63	5	-32	-23
36	76	24	-25	-28	-7	-79	-183	-167	-27	100	146	211	232	19	-211	-131	-6	140	213
41	-249	-295	-155	9	140	182	58	-29	-125	-178	-121	163	314	153	-127	-244	0	293	286
147	-165	-261	-59	148	257	197	69	-45	-71	-50	-65	-49	17	48	4	-124	-368	-516	-407
-193	-7	83	61	-234	-579	-505	48	392	314	175	100	116	121	61	-103	-124	22	78	72
-35	-91	-124	-116	-6	126	38	-284	-500	-451	-172	-30	-135	-265	-302	-360	-425	-412	-322	-263
-206	-84	78	209	274	252	137	179	165	208	305	234	28	-19	-4	-2	-51	-167	-122	-75
-137	-196	-234	-165	-57	-75	-132	-116	-18	47	50	25	33	33	53	77	274	493	443	93
-18	-57	-123	-85	52	164	148	-26	-186	-282	-238	-88	109	300	357	317	303	284	322	238
30	-126	-201	-217	-157	-70	29	100	115	142	258	239	117	-3	-87	-80	90	394	548	428
120	-282	-275	27	415	548	403	62	-107	-147	-118	-53	26	110	106	18	5	17	7	11
37	41	-31	-112	-140	-142	-38	35	30	93	174	126	-35	-262	-325	-186	59	217	225	250
142	-31	-44	25	56	-1	-97	-87	-12	35	55	56	56	-53	-277	-250	-153	-35	103	162
120	134	146	77	-61	-74	32	106	158	148	82	52	103	115	120	82	-21	-78	-89	-102
-164	-269	-324	-346	-293	-169	-238	-393	-423	-431	-399	-237	-70	20	-1	-82	-94	-96	14	157
202	237	174	31	-35	-40	49	107	84	72	50	26	38	58	67	68	-28	-147	-86	53
102	80	-11	-111	-79	14	39	-16	-60	-76	-105	-101	-47	-57	-9	36	10	5	-20	-67
-93	-140	-111	4	18	22	-52	-161	-222	-176	-65	44	76	70	82	68	72	74	45	27
50	64	65	103	173	222	215	152	114	90	63	37	11	-20	-56	-92	-121	-146	-129	-53
-24	-104	-156	-110	-71	-46	-56	-75	-47	7	56	90	137	130	5	-62	-7	69	146	215
188	82	37	43	103	128	90	6	-40	-32	-2	-18	-19	-1	10	25	55	85	137	181
162	173	191	134	86	57	19	37	96	137	82	-30	-95	-96	-37	17	60	84	77	33
2	4	34	42	42	28	4	-14	-13	-13	-33	-57	-62	-77	-110	-147	-176	-184	-165	-145
-145	-67	52	106	64	-3	0	69	112	127	85	35	10	-9	-16	55	136	132	44	5
47	108	150	127	61	61	66	53	77	73	-7	-80	-126	-147	-177	-202	-195	-185	-208	-227
-245	-228	-154	-98	-88	-92	-93	-98	-96	-95	-71	-17	42	52	15	-6	2	3	-9	-24
-16	21	54	79	89	76	62	55	68	92	97	54	11	-15	-2	23	20	-4	-34	-45
-24	-13	3	-1	-33	-61	-29	14	20	-1	-9	-1	-20	-25	0	25	40	23	-25	-74
-59	-30	-30	-17	22	30	26	26	21	17	14	-3	-34	-9	21	22	16	-3	-26	-48
-46	-36	-42	-42	-43	-44	-46	-31	-23	27	-23	-24	-24	-5	22	27	18	17	27	42
57	28	-29	-49	-13	22	11	-44	-70	-61	-41	-20	-34	-45	-54	-62	-58	-75	-40	30
51	43	28	1	-28	-53	-65	-30	22	52	55	61	75	76	37	-8	-27	1	31	41
25	4	-26	-62	-81	-67	-54	-40	-29	-8	19	33	17	-6	-24	-39	-34	8	40	41
15	-2	-8	-38	-64	-57	-14	24	56	45	24	24	33	34	45	59	47	37	37	36
30	-1	-27	-18	26	48	44	19	3	-7	-8	-5	-8	-19	-30	-40	-40	-28	-23	-40
-62	-63	-34	1	40	58	17	-3	23	37	45	46	37	22	7	2	-5	-27	-47	-47

-27	4	7	-13	-11	11	24	14	-11	-9	3	-25	9	13	27	48	54	38	22	10	8
19	19	9	1	-4	-10	-21	-32	-40	-42	-35	81	-25	-11	3	12	17	14	7	-5	-13
1	31	64	60	32	9	3	9	13	36	24	19	11	16	8	14	33	31	10	-6	-18
-21	-9	4	13	22	27	27	26	25	24	17	11	16	8	19	14	0	16	28	29	17
9	3	11	23	32	39	36	16	-6	-34	-65	-70	-51	-36	-36	-30	-42	-56	-71	-75	-51
-20	2	21	18	-12	-35	-44	-30	-16	-10	-25	-40	-50	-50	-50	-41	-28	-11	-19	-42	-41
-26	-1	9	-15	-40	-28	-15	-12	-18	-30	-38	-42	-34	-34	-20	4	15	8	5	4	7
15	19	5	-19	-19	-18	-12	-19	9	27	44	21	-15	-15	-28	-6	10	-2	-16	-15	-11
0	18	32	43	51	47	32	18	0	-22	-45	-39	-17	-17	-8	-17	-37	-52	-44	-13	0
-2	-6	-17	-34	-38	-19	-9	-11	-14	-5	13	19	12	12	1	8	15	15	13	23	48
57	43	30	23	28	44	60	62	37	18	4	-2	3	3	16	34	35	25	24	25	31
-10	56	73	71	45	17	-4	-2	6	12	15	20	19	19	22	18	10	12	13	5	-1
46	-24	-14	-1	6	2	-17	-42	-37	-2	20	36	47	39	39	26	25	25	29	37	-3
47	49	46	32	20	25	35	42	37	25	17	13	10	8	8	5	12	17	26	38	37
5	-20	-23	1	23	43	47	24	1	-6	-6	-7	-5	-2	-2	4	11	26	43	50	35
19	20	29	20	0	-24	-30	-17	-2	13	13	-7	-26	-42	-42	-48	-27	-8	-8	-12	-30
-50	-44	-23	-6	11	17	5	-3	-1	0	1	2	4	4	6	8	14	23	28	20	16
18	8	-10	-27	-35	-22	-8	-1	0	-9	-18	-5	14	28	26	5	-7	-9	-7	-9	-16
-22	-17	-1	11	12	-4	-14	-16	-14	-12	-9	-2	5	10	8	-3	-3	-13	-8	-1	-8
-28	-40	-33	-10	-1	-3	-4	-8	-16	-12	13	26	30	12	12	-14	-11	-10	-11	-10	-12
-14	-15	-15	-8	4	10	3	-4	-5	-3	-1	-1	0	0	0	0	-1	-3	-8	-13	-22
-33	-36	-25	-14	-12	-14	-16	-17	-18	-19	-17	-11	-6	-1	-1	4	15	31	34	10	-9
-10	-11	-12	-13	-18	-30	-45	-61	-63	-29	7	-6	-39	-56	-56	-42	-11	15	24	-2	-27
-39	-12	15	24	26	14	-13	-20	7	7	-17	-44	-56	-33	-33	-9	-5	-24	-40	-44	-16
-33	-23	-17	-14	-14	-10	-10	-10	-29	-49	-58	-48	-41	-37	-37	-36	-34	-31	-26	-21	-54
-11	-5	-3	-10	-12	4	15	16	17	15	6	-7	-11	0	0	14	27	24	-5	-8	10
10	6	-5	-9	-7	3	17	22	5	-16	-25	-21	-11	-15	-15	-26	-27	-17	-2	28	54
42	3	-7	-6	-26	-7	-7	-8	-9	-9	-10	-11	-11	-9	-9	3	11	10	6	-6	-16
-18	-22	-31	-34	-26																

IIF094 71-107.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 192 2011 ZONAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL. CCMF S62E 34 03 36N, 118 12 16W  
 INSTR PERIOD = 0.0490 SEC DAMPING = 0.6043 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -184.9 CM/SEC/SEC AT 3.46 SEC VELO = 18.9 CM/SEC AT 8.20 SEC DISP = -10.3 CM AT 6.56 SEC

1685 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																			
INITIAL VELC = 0.42350 CM/SEC					INITIAL DISP = -0.77129 CM														
272	449	504	476	383	154	-140	-256	-313	-374	-337	-216	-373	-532	-623	-787	-968	-903	-673	-422
-152	-17	-78	-235	-360	-327	-91	361	810	1017	1015	872	643	451	408	529	655	758	809	780
659	437	156	-138	-343	-362	-320	-247	-188	-274	-427	-619	-678	-593	-555	-418	-120	72	18	-102
-170	-181	-43	263	471	491	411	301	212	154	128	61	-2	-28	-60	-52	-108	-261	-445	-631
-655	-489	-289	-123	-75	-82	-20	-20	-62	-149	-92	195	556	833	706	247	-25	-104	-3	305
611	842	941	877	641	309	30	-11	302	676	896	824	540	122	-216	-235	-46	83	93	-57
-360	-678	-890	-925	-847	-670	-460	-377	-425	-430	-458	-511	-404	-220	-77	-54	-41	-202	-484	-622
-546	-388	-262	-111	-59	-155	-271	-391	-435	-348	-132	184	523	805	936	995	1088	1153	1153	1153
1062	854	694	635	592	518	523	528	294	-154	-727	-1366	-1828	-1849	-1510	-1186	-987	-904	-891	-879
-807	-674	-351	120	509	813	1021	1052	882	713	769	941	1077	1119	1063	933	724	525	312	74
-88	-221	-510	-783	-1008	-1182	-1274	-1225	-1090	-593	-845	-581	-435	-306	31	320	474	691	855	849
792	802	821	726	560	327	-10	-417	-636	-684	-763	-839	-923	-953	-1002	-856	-792	-685	-539	-316
-136	13	195	394	493	453	381	137	-158	-265	-226	-106	5	107	272	475	550	519	457	448
509	590	592	445	229	-80	-441	-732	-805	-821	-925	-1046	-1070	-588	-744	-575	-425	-328	-313	-303
-300	-262	-143	21	239	509	588	450	297	164	144	279	412	491	441	340	232	88	-90	-250
-367	-430	-458	-434	-368	-280	-173	-49	80	210	355	492	550	588	648	722	819	914	954	830
630	338	-39	-379	-631	-752	-686	-609	-536	-441	-348	-294	-251	-190	-144	-193	-221	-98	58	223
384	513	629	685	649	600	529	474	472	517	578	600	549	438	314	178	3	-137	-190	-219
-168	-72	1	-10	36	166	246	261	255	302	309	283	353	418	417	361	293	214	114	-12
-100	-160	-270	-395	-475	-544	-568	-510	-428	-382	-415	-400	-335	-332	-266	-149	-21	152	368	580
755	852	886	892	883	849	800	692	545	359	130	-137	-395	-630	-823	-990	-1134	-1211	-1251	-1277
-1263	-1187	-1064	-916	-688	-416	-193	7	217	416	599	740	848	905	966	1010	940	739	559	386
179	25	-63	-225	-370	-448	-526	-652	-746	-778	-786	-732	-612	-542	-528	-493	-433	-356	-195	-32
37	120	259	355	397	443	483	500	503	454	471	440	369	258	118	-32	-227	-415	-507	-542
-530	-443	-295	-234	-321	-400	-388	-330	-241	-131	24	211	339	353	255	165	151	217	290	361
429	473	460	397	311	198	83	35	82	169	220	258	301	295	248	155	141	88	41	9
-1	-21	-68	-129	-189	-235	-232	-188	-152	-121	-119	-177	-264	-345	-410	-451	-471	-464	-414	-356
-298	-234	-165	-97	-27	50	139	231	335	441	531	571	529	413	259	106	-42	-172	-254	-274
-240	-203	-231	-303	-381	-409	-376	-330	-256	-122	17	144	227	270	305	332	325	308	326	353
363	358	327	259	201	162	125	78	14	-76	-183	-288	-388	-462	-510	-527	-511	-477	-401	-316
-269	-214	-118	-4	103	201	258	295	333	370	404	408	374	336	314	280	213	179	193	189
172	152	127	92	66	75	77	46	17	15	-9	-38	-28	-17	-26	8	86	145	170	181
182	141	112	116	99	67	70	106	83	2	-73	-152	-227	-251	-211	-188	-142	-47	47	115
137	128	118	134	143	137	95	41	-4	-53	-99	-148	-205	-284	-370	-435	-453	-481	-493	-470
-469	-474	-444	-383	-304	-187	-51	73	192	280	301	286	277	306	341	369	363	308	222	125
20	-83	-171	-232	-264	-266	-300	-351	-399	-427	-413	-386	-341	-253	-164	-94	-55	-17	24	72
138	222	299	362	390	381	320	239	155	70	-8	-52	-70	-77	-83	-92	-103	-115	-125	-135
-133	-91	-19	49	103	143	170	178	173	195	225	250	274	276	245	205	137	37	-28	-72
-114	-149	-185	-226	-276	-334	-387	-407	-398	-376	-325	-248	-164	-79	6	90	169	245	321	389
447	480	457	422	386	331	262	174	95	30	-28	-75	-150	-213	-238	-247	-236	-218	-198	-150



-55	18	37	48	74	96	96	107	141	158	137	104	76	46	18	-8	-24	-40	-64	-101
-140	-180	-220	-254	-260	-248	-248	-241	-258	-228	-178	-127	-76	-25	24	60	79	83	70	59
57	12	87	98	92	67	67	29	-116	-200	-263	-276	-262	-253	-253	-236	-195	-152	-104	-43
12	41	64	88	115	152	152	193	235	295	290	272	250	218	161	100	29	-47	-122	-171
-193	-215	-227	-228	-209	-173	-173	-122	-66	10	164	213	244	281	312	322	352	379	380	361
302	243	184	126	67	11	11	-42	-89	-167	-205	-240	-253	-284	-317	-342	-332	-304	-253	-195
-131	-50	33	113	178	223	223	273	334	397	514	531	485	405	320	239	179	134	55	55
9	-61	-140	-217	-294	-359	-359	-395	-411	-385	-296	-233	-151	-72	-5	34	79	119	158	198
234	252	236	199	153	85	85	15	-54	-117	-235	-293	-351	-401	-409	-379	-352	-327	-306	-281
-216	-130	-61	0	61	124	124	191	258	306	277	261	245	217	186	153	109	64	31	-27
-101	-161	-202	-218	-211	-200	-200	-197	-208	-232	-233	-217	-184	-137	-62	-6	69	110	150	191
224	245	269	296	317	315	315	300	274	223	78	-1	-76	-118	-142	-178	-204	-218	-213	-190
-154	-114	-69	-10	44	79	79	120	183	232	290	255	249	191	152	116	88	61	31	-10
-65	-125	-189	-253	-313	-334	-334	-313	-300	-288	-212	-177	-147	-107	-50	21	99	172	226	268
301	330	347	347	327	301	301	256	204	130	-13	-55	-97	-151	-188	-208	-242	-270	-270	-274
-281	-253	-210	-142	-61	0	0	54	103	157	227	269	312	340	363	356	307	233	140	42
-60	-143	-208	-274	-339	-405	-405	-470	-528	-559	-485	-418	-351	-275	-175	-81	14	106	157	288
373	442	472	478	481	454	454	404	347	289	152	80	1	-87	-175	-254	-312	-346	-379	-385
-375	-364	-347	-316	-267	-201	-201	-124	-38	45	158	196	228	260	285	304	316	258	245	193
142	94	47	-7	-72	-124	-124	-166	-195	-189	-136	-103	-65	-30	-2	30	70	121	175	218
249	260	256	240	212	177	177	140	96	51	-48	-58	-147	-154	-235	-268	-290	-295	-273	-240
-204	-168	-137	-100	-51	0	0	51	91	123	172	190	200	196	176	166	167	148	116	79
40	3	-25	-35	-44	-57	-57	-72	-87	-98	-121	-131	-127	-111	-92	-70	-53	-39	-27	-8
11	24	39	52	51	39	39	32	23	8	3	-7	-17	-13	-16	-26	-36	-50	-45	-69
-51	-35	-37	-43	-39	-43	-43	-45	-32	-11	16	23	28	27	18	11	-55	-65	-76	-87
9	6	8	21	31	38	38	45	40	23	0	-7	-14	-23	-33	-44	-55	-76	-76	-87
-96	-55	-91	-94	-94	-71	-71	-45	-25	-4	49	63	73	85	57	101	86	76	72	65
54	48	48	47	46	46	46	48	51	51	42	38	41	42	31	15	-11	-34	-49	-58
-58	-51	-41	-29	-9	15	15	35	53	77	131	150	163	165	156	143	124	101	71	39
6	-28	-62	-92	-114	-134	-134	-148	-156	-163	-159	-132	-103	-65	-19	33	81	108	134	170
199	214	204	184	169	149	149	121	86	47	-33	-74	-113	-148	-166	-165	-160	-154	-147	-140
-133	-123	-109	-82	-35	6	6	36	63	79	94	107	122	130	125	110	88	63	37	16
5	-5	-16	-31	-50	-81	-81	-123	-149	-141	-102	-84	-76	-92	-100	-69	-28	11	38	56
69	78	87	108	129	147	147	166	175	151	94	95	99	99	80	30	-41	-104	-155	-194
-201	-191	-181	-175	-171	-164	-164	-148	-117	-77	-10	18	48	69	75	82	93	112	131	147
141	105	67	28	-8	-40	-40	-63	-70	-60	-46	-63	-87	-110	-128	-127	-114	-106	-83	-46
-13	-4	-11	-8	-6	0	0	14	30	42	95	106	81	54	29	10	-2	-14	-26	-33
-40	-48	-59	-68	-74	-76	-76	-64	-38	-4	-6	-35	-62	-71	-67	-50	-29	-18	-30	-58
-80	-88	-86	-69	-31	10	10	39	45	38	20	27	33	20	-1	-18	-36	-45	-30	-1
26	53	73	82	73	59	59	46	50	61	26	2	-27	-61	-93	-110	-95	-59	-10	41
72	79	86	90	85	84	84	92	87	66	-6	-60	-102	-130	-150	-155	-142	-125	-113	-106
-90	-67	-39	4	52	98	98	129	134	135	110	90	81	85	88	89	70	33	-7	-43
-60	-58	-46	-36	-38	-45	-45	-40	-36	-44	-3	20	36	61	63	42	32	28	26	30
37	18	-2	-13	-28	-40	-40	-31	-7	17	43	35	27	20	15	35	47	45	44	45
26	-1	-31	-57	-68	-40	-40	-31	-7	17	43	35	27	20	15	35	47	45	44	45

IIF094 71.107.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N,118 23 42W  
STATION NC. 192 2011 ZCNAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL. COMP S28 34 03 36N,118 12 16W  
INSTR PERIOD = 0.0510 SEC DAMPING = 0.5946 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 198.2 CM/SEC/SEC AT 6.44 SEC VELO = 24.0 CM/SEC AT 6.60 SEC DISP = 6.6 CM AT 6.00 SEC

INITIAL VELO = 0.32961 CM/SEC INITIAL DISP = 0.85317 CM

1685 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

142	-57	-313	-463	-573	-640	-609	-670	-744	-648	-443	-120	320	575	537	452	445	597	666	1242
1540	1629	1358	857	421	173	55	-34	-142	-334	-724	-1218	-1490	-1546	-1512	-1226	-913	-737	-622	-501
-368	-213	-6	386	837	1145	1284	1306	1266	1118	896	666	440	205	-15	-199	-426	-660	-713	-743
-930	-1029	-949	-918	-910	-832	-665	-358	36	389	727	983	1002	870	725	669	690	561	343	263
313	348	317	273	198	33	-197	-342	-307	-126	-9	12	-106	-367	-577	-733	-857	-730	-561	-406
-203	-60	21	183	406	549	618	560	382	235	94	-34	-117	-176	-244	-350	-503	-674	-754	-849
-1063	-1090	-868	-616	-332	-136	-105	69	376	587	794	957	898	663	597	605	652	857	1066	1145
1080	858	512	172	-44	-232	-363	-415	-439	-535	-722	-806	-662	-473	-447	-410	-278	-138	22	162
217	151	130	159	284	387	435	370	238	100	-79	-139	103	530	927	1148	576	559	117	-327
-738	-1055	-1176	-1148	-1217	-1223	-1138	-989	-719	-378	-178	-105	-62	-35	-24	19	118	209	368	530
498	317	122	-16	-102	-2	455	838	1112	1349	1420	1245	1014	931	725	350	14	-312	-645	-938
-1165	-1339	-1452	-1528	-1521	-1445	-1298	-1002	-526	-89	224	511	740	578	1321	1586	1675	1625	1425	1113
640	220	-41	-207	-367	-632	-1015	-1417	-1629	-1600	-1410	-1128	-597	-50	75	-8	-65	-89	-39	208
618	1116	1437	1541	1468	1312	1155	888	535	160	-216	-562	-829	-855	-686	-544	-490	-607	-880	-1179
-1342	-1225	-860	-220	329	708	864	685	391	178	102	255	742	1084	1144	898	525	161	-77	-243
-410	-575	-718	-901	-1141	-1341	-1410	-1211	-927	-613	-373	-358	-390	-244	-65	222	751	1291	1646	1939
1952	1945	1982	1937	1801	1548	1202	883	524	144	-135	-399	-645	-969	-1331	-1582	-1747	-1841	-1804	-1664
-1492	-1331	-1206	-1035	-739	1432	1510	1502	1484	1481	-1432	-1381	-1160	-879	-561	1471	1414	1301	1073	718
323	-39	-335	-519	-561	-523	-515	-629	-879	-1226	-1442	-1381	-1160	-879	-561	-157	65	276	453	635
127	809	905	509	809	751	755	770	711	603	393	23	-412	-822	-1210	-1411	-1429	-1298	-1131	-948
-772	-686	-665	-572	-441	-282	-58	193	352	439	434	353	279	204	137	128	176	184	104	-27
-211	-424	-565	-606	-605	-597	-616	-697	-778	-779	-741	-602	-298	37	221	302	302	218	71	-13
36	160	355	597	696	671	575	470	344	225	150	57	30	-51	-185	-403	-599	-727	-833	-861
-785	-688	-590	-502	-408	-303	-178	-34	114	280	479	647	785	936	1062	1068	1047	1034	1032	1044
1048	556	866	650	404	111	-165	-315	-387	-418	-454	-501	-582	-634	-712	-751	-684	-555	-406	-200
29	238	397	506	574	621	656	686	705	681	606	521	424	313	171	18	-142	-284	-354	-487
-543	-578	-571	-530	-493	-430	-333	-235	-138	-38	70	178	243	245	255	323	390	434	440	427
433	415	390	377	291	156	20	-165	-353	-478	-547	-612	-657	-630	-582	-505	-302	-44	118	255
331	356	399	480	514	610	705	637	478	275	48	-166	-362	-507	-628	-688	-716	-743	-782	-818
-802	-718	-602	-455	-335	-213	-96	20	112	195	321	427	469	504	466	405	365	359	324	292
241	109	-59	-243	-413	-533	-599	-608	-533	-460	-451	-474	-454	-405	-422	-311	-124	76	279	442
540	544	466	398	336	306	330	363	376	329	235	115	-8	-83	-118	-147	-166	-197	-274	-354
-404	-408	-320	-256	-191	-121	-72	-132	37	82	105	159	226	226	278	370	388	393	378	378
301	226	150	88	36	-10	-61	-132	-196	-232	-253	-280	-287	-247	-203	-191	-204	-178	-162	-182
-160	-91	-24	48	113	162	182	163	149	149	148	136	122	117	103	100	67	11	-48	-103
-145	-131	-86	-55	-41	-67	-100	-99	-45	16	82	141	164	141	103	100	145	194	237	270
261	228	184	125	105	93	25	-53	-123	-190	-223	-158	-163	-125	-121	-157	-193	-235	-257	-193
-84	4	74	108	122	112	143	203	260	310	308	258	174	121	69	22	-3	-28	-80	-135
-187	-235	-248	-194	-135	-98	-72	-74	-88	-96	-69	12	97	190	275	327	322	240	154	89
31	14	53	70	41	-4	-51	-119	-186	-221	-192	-157	-137	-131	-125	-100	-60	-25	13	47



IIF094 71.107.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 192 2011 ZCNAL AVENUE, 9TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0480 SEC DAMPING = 0.5661 ACCELEFCGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP DOWN 34 03 36N, 118 12 16W

PEAK VALS ACCLN = 93.0 CM/SEC/SEC AT 0.28 SEC VELO = -7.9 CM/SEC AT 4.04 SEC DISP = -4.2 CM AT 10.04 SEC

INITIAL VELO = -0.89421 CM/SEC INITIAL DISP = -0.50182 CM

1686 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

142	264	135	-365	-702	-236	340	394	21	-434	-497	-333	2	677	930	452	-251	-500	-16	348
381	535	456	19	-329	-127	203	97	-123	-131	90	105	-195	-557	-507	-203	-103	-154	-95	-20
-68	-182	-29	406	442	-117	-531	-132	545	661	611	337	-342	-452	168	705	620	123	-463	-741
-431	187	532	299	-270	-517	-344	-56	241	295	-100	-431	-335	-2	176	114	-73	-99	152	331
155	117	255	172	-183	-321	280	586	-1	-376	-132	247	266	-221	-445	-80	183	-76	-149	43
167	24	-66	-92	-20	31	14	-9	-50	-133	-113	100	239	218	157	-47	-180	-70	25	109
135	-207	-560	-251	79	165	129	58	-51	-44	-108	-133	133	515	407	-159	-480	-175	370	528
301	6	-321	-317	158	391	156	15	-31	-17	-8	6	-153	-215	28	212	-63	-398	-618	-427
-145	36	65	163	-47	-549	-783	-66	623	371	-80	-14	237	364	224	-100	-238	23	207	144
56	-100	-293	-285	-67	182	198	-234	-709	-666	-169	177	42	-173	-343	-463	-492	-400	-304	-229
-160	-69	0	49	172	352	380	223	73	186	448	513	248	-64	21	149	-66	-297	-197	-16
-17	-245	-407	-320	-58	-85	-238	-317	-50	180	200	-71	-53	152	194	109	336	689	704	208
-146	-205	-121	-172	14	287	171	-145	-319	-394	-291	-114	78	315	465	420	230	202	279	207
4	-264	-396	-160	34	72	79	151	153	134	206	258	53	-117	-171	-110	93	441	685	541
168	-377	-653	-247	537	857	634	84	-318	-234	-77	-185	-126	215	429	174	-53	-86	62	-18
128	138	-103	-256	-208	-155	-158	-120	-62	-8	247	316	77	-440	-555	-408	-178	178	237	239
285	272	-69	-196	132	302	114	-182	-252	-16	200	83	4	-13	-125	-408	-517	-192	46	96
98	54	28	117	2	-254	-231	44	206	278	268	58	71	189	128	147	246	70	-101	-50
-63	-156	-315	-434	-424	-265	-142	-152	-341	-493	-565	-509	-412	-212	50	134	-2	-145	-171	-27
118	238	316	330	208	21	-80	0	130	238	173	36	5	18	-51	-11	28	-33	-110	-175
-181	-22	157	142	-54	-187	-122	66	151	14	-126	-60	-28	-132	-105	-11	-47	10	102	42
-63	-158	-250	-271	-150	-5	49	-5	-63	-237	-365	-268	-52	103	152	127	105	71	87	127
35	-63	-9	124	129	107	209	328	351	211	66	1	115	158	37	-28	-23	-58	-147	-226
-221	-55	27	-55	-233	-193	-21	18	-99	-130	-65	-2	81	157	206	163	29	-92	-4	139
233	305	234	96	-24	-31	122	221	153	-9	-109	-46	38	-93	-128	-50	-9	-7	-20	59
171	241	230	190	228	251	129	26	13	51	151	254	197	11	-156	-184	-51	75	15	93
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IIF095 71-111.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
 STATION NO. 143 120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL. CCMF S8EE 34 04 32N, 118 22 58W  
 INSTR PERIOD = 0.0530 SEC DAMPING = 0.5808 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -96.2 CM/SEC/SEC AT 4.40 SEC VELO = -16.8 CM/SEC AT 5.76 SEC DISP = -10.6 CM AT 10.54 SEC

INITIAL VELO = -0.65217 CM/SEC INITIAL DISP = -0.30603 CM

3330 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

19	-1	-11	-32	-41	-34	-41	-13	99	100	-20	-68	-12	31	2	-61	-37	-10	-11	7
24	40	44	49	73	36	14	2	38	45	22	17	4	-16	-34	-21	31	70	51	12
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81	51	2	-8	-24	-64	-73	-38	-1	16	-14	-49	-10	57	140	91	43	-4	-44	-76
-74	-11	93	114	73	38	15	16	72	110	74	77	145	98	-27	-121	-128	-133	-103	-63
-34	-3	12	11	-6	-42	-50	3	112	143	86	23	27	42	0	-83	-71	29	43	-63
-76	80	185	184	97	6	-30	-82	-139	-159	-103	-55	-53	-83	-118	-114	-74	-64	-90	-131
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-461	-502	-476	-253	-94	-122	-197	-193	80	201	110	128	-69	-342	-430	-365	-400	-277	-89	153
255	306	337	386	434	474	385	247	304	419	421	370	376	324	168	29	9	91	260	353
265	178	63	-152	-364	-450	-355	-112	-45	-149	-163	-164	-192	-346	-500	-617	-728	-842	-890	-936
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110	19	-46	104	358	430	480	332	144	59	88	334	436	344	372	389	214	-136	-230	-182
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682	607	472	275	-25	-303	-466	-433	-404	-406	-302	-21	-9	-125	-125	-127	-196	-261	-228	-209
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IF055 71.111.0  
STATION NO. 143

INSTR PERIOD = 0.0540 SEC. DAMPING = 0.5664

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CCMP 502N 34 04 32N, 118 22 58W

PEAK VALS ACCLN = 83.9 CM/SEC/SEC AT 5.78 SEC VELC = -17.9 CM/SEC AT 8.08 SEC DISP = 12.1 CM AT 7.08 SEC

INITIAL VELC = -1.80691 CM/SEC INITIAL DISP = 0.40588 CM

3328 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

24	9	-10	-31	-8	26	38	18	19	47	65	90	63	-48	-99	-81	-41	-4	21	-10
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-27	-34	7	9	-13	-18	62	77	19	10	59	60	18	-9	-28	-17	48	76	122	167
171	163	159	107	-29	-81	11	2	-16	-16	-104	-210	-244	-279	-225	-32	124	141	90	76
26	-86	-156	-197	-192	-126	-21	105	288	429	440	372	226	-67	-246	-276	-182	-23	125	201
263	256	138	-225	-330	-157	54	120	80	-27	-155	-246	-170	-36	9	30	76	139	142	105
195	307	403	463	514	463	399	353	218	44	-109	-238	-270	-154	-80	-176	-173	33	187	92
-26	-209	-335	-318	-195	-34	156	347	538	634	547	410	289	207	178	167	-6	-251	-347	-409
-308	-96	92	201	115	-188	-334	-208	-48	112	157	130	248	475	555	292	-133	-402	-426	-280
-160	-225	-410	-427	-221	14	218	237	-5	-178	-58	274	503	445	210	50	-15	-62	-73	116
205	65	-39	36	167	145	67	-29	-178	-340	-456	-358	-115	-112	-246	-262	-32	257	250	-102
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-21	-135	-77	202	214	-98	-406	-588	-582	-293	47	136	-115	-416	-438	-263	-188	-162	-192	-415
-700	-811	-769	-603	-385	-192	-153	-362	-523	-472	-397	-381	-257	-48	94	206	255	236	209	218
261	274	187	56	-25	-27	-7	-29	-11	62	118	117	-12	-168	-286	-350	-418	-519	-546	-431
-259	-175	-170	-170	-61	125	291	434	491	391	262	249	281	147	-100	-246	-326	-458	-514	-479
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48	172	199	125	61	105	185	219	222	197	190	255	315	324	333	375	386	333	270	261
280	233	143	38	-87	-193	-256	-312	-370	-379	-325	-242	-211	-210	-210	-200	-195	-218	-237	-215
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IIF095 71.111.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 143 120 NORTH ROBERTSON BLVD., SUB-BASEMENT, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0530 SEC DAMPING = 0.5721 ACCELEROGRAM IS HAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -26.5 CM/SEC/SEC AT 6.18 SEC VELC = -6.2 CM/SEC AT 14.98 SEC DISP = -3.9 CM AT 15.54 SEC

INITIAL VELO = -0.41367 CM/SEC INITIAL DISP = -0.15801 CM

3351 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

60	109	55	85	46	-8	-37	-33	11	74	109	82	32	18	-7	-50	-2	90	82	65
59	44	18	-1	-10	-9	3	45	68	59	36	16	19	20	-6	-59	-86	-71	-46	-24
-51	-81	-69	-33	-45	-76	-46	4	20	41	75	77	36	-7	-30	20	71	72	58	137
143	58	55	25	8	-26	-72	-51	5	0	-28	-27	-11	-36	-52	-53	-55	-54	-51	-40
-27	-27	-43	-71	-99	-104	-38	27	39	30	8	-36	-84	-107	-116	-127	-104	-46	-3	14
17	11	16	18	-23	-86	-92	-43	70	183	190	96	-1	-76	-95	-119	-144	-137	-134	-133
-58	59	90	35	-31	-27	-4	-3	-2	-2	3	16	41	61	69	61	42	22	8	-24
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-18	-28	-35	33	124	53	-140	-219	-203	-236	-251	-139	42	115	181	181	76	-64	-112	-102
-128	-198	-254	-202	-95	7	83	84	40	41	33	-4	-8	44	47	28	23	64	82	45
44	87	133	166	173	134	66	1	-30	-63	-80	-47	22	83	154	175	127	65	14	-20
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168	89	19	-37	-82	-145	-240	-238	-109	162	155	118	97	25	-82	-153	-54	86	163	204
212	215	246	258	227	163	117	47	-114	-219	-216	-47	75	54	17	-6	31	78	65	29
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7	148	141	54	-14	-80	-102	-112	-120	-79	-44	-48	-88	-123	-107	-60	-14	-42	-128	-197
-197	-131	-64	-26	8	80	168	185	166	130	108	127	150	168	162	115	38	-19	-49	-52
-49	-91	-110	-74	-16	25	28	8	-28	-90	-161	-195	-163	-97	-22	18	38	22	-60	-195
-202	-98	-1	48	55	68	76	65	56	70	80	74	49	0	-43	-73	-103	-108	-62	32
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160	159	203	256	261	217	169	150	139	56	-7	-79	-103	-135	-144	-98	-1	56	37	11
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IIF056 71.112.0  
 STATION NO. 144  
 INSTR PERIOD = 0.0570 SEC CAMPING = 0.5465  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS		ACLN = -162.1 CM/SEC/SEC AT 5.64 SEC										VELC = -26.7 CM/SEC AT 9.80 SEC										DISP = 11.3 CM AT 8.76 SEC																			
		INITIAL VELC = -2.05258 CM/SEC										INITIAL DISP = -0.30291 CM																													
		3041 INSTRUMENT AND BASELINE CORRECTED DATA IN										MM/SEC/SEC										AT EQUALLY-SPACED INTERVALS OF										0.02 SEC									
		INITIAL VELC = -2.05258 CM/SEC										INITIAL DISP = -0.30291 CM										AT EQUALLY-SPACED INTERVALS OF										0.02 SEC									
		191	131	122	132	117	68	30	39	49	25	7	20	38	25	-20	-108	-190	-187	-168	-196																				
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-163	-129	-74	-27	-11	-49	-127	-192	-202	-153	-43	87	147	151	126	36	-52	-24	83	164	-196	-196																				
190	170	123	80	42	-14	-89	-153	-173	-144	-116	-96	-59	-24	-12	-35	-86	-104	-19	104	-196	-196																				
183	173	116	73	49	27	26	96	202	235	173	55	-76	-56	-12	46	58	63	36	36	-196	-196																				
-185	-219	-229	-237	-127	44	128	126	72	-27	-83	-102	-82	51	244	337	264	148	68	-5	-196	-196																				
-105	-147	-40	82	58	-47	-84	-31	26	32	2	-64	-161	-272	-351	-351	-255	-88	86	188	-196	-196																				
162	30	-113	-183	-202	-161	-43	174	446	667	795	784	644	393	85	-190	-225	163	857	1240	-196	-196																				
1025	487	-201	-803	-1228	-1460	-1483	-1334	-922	-302	21	-100	-291	-394	-444	-386	-260	-190	-237	-199	-409	-409																				
76	426	686	907	1131	1267	1177	801	338	43	2	91	144	236	419	601	611	433	88	-409	-409	-409																				
-717	-666	-493	-388	-283	-18	305	447	294	-290	-855	-744	-232	89	104	39	-24	-88	-265	-495	-495	-495																				
-642	-760	-831	-844	-901	-938	-920	-890	-853	-776	-628	-470	-275	69	503	858	1020	899	654	519	-495	-495																				
373	411	806	1236	1570	1499	1006	709	456	106	-143	-269	-382	-406	-348	-299	-216	-113	-12	2	-495	-495																				
-178	-468	-723	-756	-490	-113	251	541	674	569	227	-184	-452	-534	-420	1067	1565	1529	1160	505	-319	-319																				
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26	40	51	62	65	62	57	46	33	20	8	-2	-9	-16	-26	-41	-55	-66	-76	-86
-93	-54	-85	-68	-40	-15	-2	7	16	23	21	17	20	27	35	42	49	46	28	4
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55	68	77	78	74	72	71	70	67	61	56	49	42	33	24	13	2	-13	-30	-42
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31	23	22	23	17	4	-10	-21	-28	-25	-12	1	13	22	17	3	-5	-9	-7	1
11	27	43	39	22	9	-1	-8	-6	4	20	30	22	4	-11	-20	-20	-15	-5	-4
-8	-23	-37	-47	-55	-54	-47	-40	-33	-29	-35	-44	-49	-45	-35	-25	-16	-7	2	9
15	22	28	33	37	37	32	28	24	20	18	18	21	25	29	33	34	24	10	1
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47	58	59	39	19	7	-2	-10	-16	-21	-26	-32	-38	-48	-59	-66	-70	-74	-72	-66
-60	-51	-40	-24	-6	4	8	13	18	24	30	36	42	49	55	60	58	48	38	27
19	12	6	0	-6	-9	-9	-9	-8	-8	-7	-5	0	5	10	14	19	24	29	35
43	53	58	56	50	40	36	35	32	25	17	7	-6	-22	-36	-42	-42	-39	-36	-38
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-55	-56	-60	-67	-74	-75	-65	-58	-53	-48	-41	-31	-19	-5	10	22	32	39	38	33
28	22	17	12	7	3	-1	-8	-15	-23	-35	-48	-62	-75	-84	-83	-77	-68	-57	-47
-41	-42	-48	-54	-48	-29	-2	21	33	33	26	19	12	8	12	23	33	41	40	32

[illegible]

IIF06 71.112.0 SAN FERNAND0 EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N,118 23 42W  
STATION NO. 144 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL. COMP S02N 34 04 32N,118 22 58W  
INSTR PERIOD = 0.0540 SEC DAMPING = 0.5651 ACCELEROGRAM IS BAND-PASS FILTEREC BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = 165.0 CM/SEC/SEC AT 5.82 SEC VELO = 18.7 CM/SEC AT 5.90 SEC CISP = -9.5 CM AT 5.44 SEC

2866 INSTRUMENT ANC BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																			
INITIAL VELC = 1.67692 CM/SEC						INITIAL DISP = 0.40582 CM													
63	-8	-56	-71	-56	-24	21	34	36	57	50	-5	-67	-21	140	239	210	48	-164	-280
-277	-172	6	74	-26	-118	-52	46	70	77	56	70	-42	-145	-179	-169	-134	-80	-22	58
136	146	53	-53	-69	-38	-67	-96	-52	-5	-20	-41	-39	-52	-42	15	78	110	54	-67
-158	-125	-20	26	-23	-90	-77	44	143	114	15	-86	-175	-184	-61	102	145	89	35	8
42	51	57	-39	-81	-37	38	71	6	-153	-254	-170	24	165	175	57	-27	-128	-200	-208
-142	-58	14	42	-30	-116	-136	-118	-81	-22	162	226	120	-30	-95	-96	-96	-65	7	52
78	105	131	137	114	134	202	176	5	-237	-323	-247	-94	50	112	40	-143	-399	-574	-559
-278	158	348	181	74	-10	-99	-233	-406	-515	-494	-345	-8	453	502	1136	949	255	-453	-559
-960	-470	105	551	713	678	536	139	-341	-453	-195	-70	-109	-203	-449	-665	-399	261	788	996
852	317	-290	-727	-698	-174	393	756	366	915	722	465	246	-11	-308	-702	-990	-939	-603	-258
8	348	725	857	665	273	-209	-667	-758	-315	331	827	910	710	484	380	420	372	204	53
-149	-516	-881	-941	-636	-80	595	918	709	109	-507	-658	-397	-32	273	321	292	327	451	710
660	106	-455	-844	-1004	-585	-829	-610	-299	114	553	759	537	64	-66	246	608	490	62	-219
-345	-386	-266	50	599	541	25	-325	-374	-171	37	93	41	50	225	532	730	416	-203	-611
-440	270	677	356	-146	-449	-559	-541	-237	513	1350	1650	1412	1107	752	172	-568	-1438	-1414	-1438
-1125	-743	-653	-906	-1148	-1035	-503	137	549	549	322	95	71	257	419	408	58	-475	-890	-932
-482	162	536	453	229	157	277	422	329	-23	-302	-168	277	758	1019	298	298	-11	-2	212
555	520	123	-306	-634	-853	-767	-149	653	874	129	-714	-1344	-1248	-363	357	322	-255	-867	-1119
-832	-208	243	241	-234	-802	-1266	-1282	-717	-13	331	243	-137	-571	-877	-915	-670	-94	545	912
838	540	233	89	135	207	232	168	38	-65	-142	-65	-4	62	156	183	12	-291	-571	-591
-455	-391	-340	-248	-136	-109	-157	-227	-234	-99	210	540	698	670	505	244	30	-11	-62	-164
-220	-349	-529	-673	-724	-610	-239	285	824	1279	1451	1353	1283	1440	1492	1216	852	559	268	-26
-355	-732	-1129	-1355	-1264	-1001	-572	-77	-58	-705	-1250	-807	159	1117	1520	1438	531	173	-645	-893
-540	233	749	710	365	-25	-206	-203	-125	53	324	576	734	686	431	149	30	63	204	320
351	309	245	194	214	337	478	584	640	613	444	237	84	18	7	-66	-190	-381	-557	-636
-641	-625	-609	-567	-470	-254	18	193	213	171	136	92	18	-54	-29	63	70	-32	-181	-304
-265	-57	149	286	330	308	241	130	50	64	102	103	127	190	247	275	228	98	-89	-302
-499	-536	-391	-234	-184	-257	-394	-532	-549	-360	-119	39	66	-22	-165	-276	-309	-244	-128	-102
-139	-132	-119	-123	-31	185	389	426	265	125	108	157	310	353	335	328	344	336	363	464
535	507	344	167	111	114	73	-14	-110	-228	-362	-468	-516	-505	-445	-361	-275	-238	-241	-224
-190	-204	-199	-151	-97	-97	-159	-219	-204	-162	-204	-313	-380	-316	-126	41	143	156	71	-19
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223	106	9	-24	59	208	324	307	250	206	213	240	204	133	82	63	77	85	75	53
53	96	173	269	357	383	328	259	219	194	170	169	203	240	230	152	32	-103	-203	-238
-265	-308	-359	-404	-414	-357	-291	-204	-135	-140	-211	-282	-335	-328	-293	-262	-214	-147	-62	27
71	35	-50	-164	-276	-329	-306	-269	-274	-277	-235	-152	-53	-10	-26	-74	-132	-150	-106	-25
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41	269	375	337	230	111	51	73	109	123	140	179	233	277	287	284	290	289	232	146

123	165	245	233	179	120	67	28	20	70	152	217	242	222	173	123	86	55	19	5
63	114	77	23	12	32	45	27	-32	-98	-149	-150	-85	15	104	153	147	130	138	131
58	-71	-213	-322	-345	-293	-203	-101	-39	-54	-95	-136	-152	-135	-112	-110	-122	-147	-194	-243
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103	88	95	100	94	84	57	-2	-75	-118	-113	-60	19	97	139	139	92	5	-81	-117
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93	37	-21	-71	-90	-81	-82	-108	-122	-102	-73	-50	-24	17	44	21	-21	-13	28	68
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121	100	78	63	67	75	74	64	45	24	29	51	61	56	63	78	81	72	78	108
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-117	-116	-100	-84	-72	-62	-42	-21	-13	-37	-65	-61	-30	1	30	50	55	47	35	24
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79	88	59	57	87	78	70	58	40	20	1	-17	-32	-45	-45	-28	-6	7	6	-33
-91	-141	-177	-192	-184	-163	-138	-128	-141	-156	-165	-157	-134	-100	-58	-27	-2	9	15	22
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-76	-55	-51	-55	-50	-52	-73	-110	-138	-141	-56	10	146	254	279	213	96	-2	-50	-66
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147	193	62	-89	-134	-48	86	176	153	0	-162	-159	-131	-75	-64	-81	-99	-119	-137	-143
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19	11	-6	-19	-24	-28	-28	-20	-11	-14	-23	-30	-24	-12	-4	-7	-16	-27	-35	-34
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37	38	38	38	35	36	35	35	38	36	30	28	32	39	45	46	46	40	24	6
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12	6	1	-1	5	17	29	33	35	36	35	34	33	35	36	32	24	23	35	44
37	20	7	2	14	27	27	22	18	22	37	47	43	33	30	32	37	36	24	-2



[illegible]

IIF096 71.112.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 144 120 NORTH ROBERTSON BLVD., 4TH FLOOR, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0550 SEC DAMPING = 0.5236 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -123.1 CM/SEC/SEC AT 4.80 SEC VELC = -6.2 CM/SEC AT 15.04 SEC DISP = 3.0 CM AT 1.94 SEC  
 INITIAL VELC = 0.00555 CM/SEC INITIAL DISP = -0.56101 CM

2965 INSTRUMENT AND BASELINE CORRECTED DATA IN		MM/SEC/SEC		AT EQUALLY-SPACED INTERVALS OF		0.02 SEC													
115	75	87	136	155	138	60	-72	-114	-39	48	75	59	75	78	9	-79	-121	-40	91
151	88	27	62	107	73	-20	-88	-40	59	101	52	-11	-26	-5	14	-8	-38	-58	-24
36	26	7	-48	-118	-145	-128	-71	-7	10	-8	47	132	154	80	-30	-50	-23	113	148
78	17	49	124	118	1	-97	-66	1	51	47	-9	-11	19	-13	-92	-152	-102	10	37
-54	-167	-162	-28	64	10	-159	-218	-55	111	100	-23	-120	-97	-25	-26	-142	-264	-200	-28
77	48	-8	3	94	136	6	-182	-219	-74	154	321	274	32	-184	-283	-227	-122	-81	-80
-90	-115	-17	130	173	173	3	-186	-233	-102	85	146	88	-39	-93	-24	157	248	158	-4
-91	19	127	-37	-202	-232	-128	-20	60	68	-14	-33	74	213	251	162	-3	-127	-166	-229
-234	-191	-66	103	224	281	229	23	-217	-313	-221	-107	-25	4	78	115	46	-5	-34	-18
-10	18	30	-43	-213	-383	-289	61	326	308	-24	-341	-330	-106	22	1	-103	-57	107	252
314	260	135	52	76	150	97	-78	-165	-19	131	117	80	70	25	8	81	169	172	52
-88	-168	-165	-135	-67	39	123	151	164	222	303	368	352	245	62	-68	-71	-5	-70	-491
-1231	-1035	228	1032	415	-659	-657	210	927	808	77	-476	-665	-345	378	571	200	-280	-646	-393
-22	371	616	388	65	-43	-107	-210	-333	-279	-95	76	203	155	66	-46	-159	-256	-405	-267
120	493	707	579	340	255	306	276	103	-64	-187	-168	-52	84	117	-137	-495	-651	-489	-88
300	429	253	61	62	268	427	323	-2	-280	-360	-263	-104	-1	-56	-206	-223	-75	95	185
191	155	201	300	376	240	-86	-353	-551	-618	-417	-117	41	15	-118	-198	-133	-6	130	240
210	-2	-228	-332	-266	-114	30	123	171	191	146	40	-29	30	228	439	521	328	19	-241
-299	-213	-128	-105	-166	-202	-160	-76	22	108	116	21	-83	-108	-67	-37	-24	-24	15	92
111	-8	-180	-273	-235	-176	-192	-202	-78	88	204	248	179	86	60	21	-52	-126	-211	-266
-211	-45	130	213	215	154	51	-16	-52	-17	69	153	181	164	55	-15	-165	-271	-338	-344
-216	-30	147	311	438	524	578	562	455	308	156	21	-188	-427	-533	-518	-435	-299	-142	-4
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19	241	433	453	308	119	-74	-223	-308	-323	-263	-146	-66	-114	-159	-103	-18	71	117	116
75	71	123	154	142	95	65	41	15	-37	-118	-139	-57	26	17	-66	-55	17	55	122
51	-63	-147	-156	-101	-43	-17	-46	-91	-105	-77	-48	-58	-71	-25	21	73	103	57	73
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46	19	-4	-21	-20	-7	-2	1	6	-29	-79	-88	-73	-55	-45	-59	-96	-114	-65	-20
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161	183	147	67	-11	-45	-36	-14	-18	-46	-41	-10	15	26	19	35	61	50	13	-32
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-113	-115	-110	-98	-94	-111	-147	-170	-149	-86	-78	-100	-119	-139	-139	-104	-77	-69	-58	-45
-48	-63	-82	-119	-164	-189	-167	-126	-94	-63	-39	-21	-4	15	29	29	25	23	42	98
142	125	81	56	79	106	111	117	145	184	206	205	184	155	161	184	190	162	105	62
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42	56	78	111	149	152	114	67	39	43	67	81	74	62	46	34	45	66	64	36
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-106	-145	-173	-159	-133	-123	-122	-109	-75	-38	-12	-28	-73	-113	-137	-135	-115	-100	-86	-75
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14	22	22	15	10	9	10	9	11	12	11	9	8	5	12	-4	-4	-2	-2	0	5	9
1	1	4	7	9	10	9	10	11	12	12	23	31	35	29	17	11	10	-2	11	11	10

6	-12	5	8	11	16	19	14	7	2	-3	-5	-4	-4	-3	-3	-5	-11	-18	-11	-18	-21
-7	-7	-2	0	-2	-5	-8	-9	-7	-6	-11	-19	-26	-19	-8	-5	-6	-4	-4	-4	-4	-7
19	19	-1	7	6	0	0	6	16	20	12	2	7	19	24	22	15	9	11	9	11	17
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-19	-19	8	10	2	-4	-3	-3	-6	-9	-12	-13	-1	8	5	2	-7	-14	-18	-14	-18	-20
-4	-4	-15	-7	-1	0	-4	-14	-18	-14	-11	-8	-6	-6	-6	-5	-5	-4	-2	-4	-2	-3
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IF097 71.113.0

STATION NO. 142

INSTR PERIOD = 0.0530 SEC DAMPING = 0.5795

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

120 NORTH ROBERTSON BLVD., 9TH FLOOR, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W

COMP S88E 34 04 32N, 118 22 58W

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS

ACLN = 250.5 CM/SEC/SEC AT 4.74 SEC

VELO = -28.8 CM/SEC AT 4.66 SEC

DISP = -10.0 CM AT 10.50 SEC

INITIAL VELC = -3.22616 CM/SEC INITIAL DISP = -0.55703 CM

3409 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

53	144	208	305	343	337	290	202	131	110	12	-156	-249	-249	-228	-215	-204	-201	-194
-161	-134	-142	-137	-53	49	87	134	233	313	328	329	322	278	205	170	125	46	-174
-231	-284	-340	-355	-323	-256	-156	-96	-63	-41	-18	27	116	177	200	242	292	283	176
143	68	12	7	10	-10	-58	-114	-170	-208	-214	-218	-236	-217	-93	18	29	2	7
294	353	304	250	232	228	197	140	80	50	56	20	-40	-82	-83	-70	-67	-80	118
46	-96	-196	-197	-186	-153	-90	-44	10	108	192	192	117	68	130	235	272	239	29
142	10	-125	-172	-168	-207	-315	-302	-137	-40	-44	-67	-16	23	-42	-188	-279	-223	14
78	136	157	140	61	-120	-216	-190	-116	70	457	937	1238	1337	1254	1009	668	426	271
258	85	-175	-373	-582	-933	-1369	-1946	-2442	-2401	-1926	-1384	-930	-325	253	655	1078	1443	1078
858	677	562	525	586	736	882	976	965	790	572	325	-5	-365	-608	-546	-271	-88	-175
-236	-216	-178	-228	-398	-453	-246	-21	60	9	-121	-143	-88	-54	-124	-223	-128	36	46
-370	-643	-840	-1089	-1370	-1576	-1765	-1908	-1885	-1737	-1520	-1174	-685	65	962	1796	2387	2505	2346
2148	1757	1328	942	807	684	395	93	-65	-159	-194	-327	-739	-1284	-1456	-1347	-1130	-846	-366
-130	82	257	409	480	404	334	349	495	683	712	515	188	-220	-458	-474	-430	-397	-809
-898	-936	-1100	-1328	-1384	-1275	-869	-230	351	904	1239	1168	1121	1228	1322	1286	1151	1055	831
522	144	-222	-457	-624	-789	-998	-1024	-512	-838	-841	-772	-567	-407	-325	-271	-235	-178	42
837	1201	1748	2010	1899	1629	1371	1032	546	-8	-280	-157	-24	-114	-349	-593	-895	-1145	-1321
-1314	-1015	-665	-457	-362	-315	-254	-197	-245	-377	-482	-457	-239	74	329	505	582	704	565
1273	1112	836	639	491	375	255	141	2	285	-659	-875	-829	-591	-354	-182	79	323	567
717	654	728	910	1066	1171	1187	1081	924	561	-2	-642	-1316	-1729	-1842	-1893	-1757	-1525	-923
-807	-731	-623	-481	-369	-294	-234	-93	136	334	475	540	642	793	920	1023	1160	1286	1286
792	234	-313	-557	-866	-1056	-1155	-1087	-876	-600	-254	-17	53	48	48	49	32	-81	-307
-906	-1100	-1229	-1358	-1482	-1421	-1137	-685	-257	115	420	529	595	699	807	687	464	311	345
858	1072	1124	1089	1042	1013	911	683	294	-30	-270	-499	-787	-1009	-1076	-1130	-1201	-1349	-1395
-1125	-934	-755	-639	-532	-402	-271	-190	-161	-138	-39	212	550	836	570	1061	1116	1158	1151
882	655	464	332	266	181	52	-97	-170	-128	-49	6	24	43	67	88	63	16	30
207	260	338	445	499	479	440	456	494	490	442	382	280	116	-54	-275	-385	-426	-451
-406	-224	21	105	116	120	126	188	308	461	617	700	725	745	748	722	682	629	531
338	315	298	207	25	-216	-439	-549	-592	-629	-654	-676	-676	-631	-563	-549	-617	-691	-695
-550	-480	-321	-122	94	297	399	449	472	470	396	244	69	-92	-200	-250	-279	-284	-250
-123	-62	8	78	138	171	167	159	155	145	122	75	27	-6	-81	-164	-200	-203	-208
-226	-232	-256	-293	-316	-330	-369	-454	-525	-560	-509	-448	-393	-301	-162	-48	14	92	219
574	672	772	889	982	1023	1010	916	753	564	408	306	237	161	25	-123	-194	-237	-327
-680	-846	-968	-1018	-1004	-991	-974	-920	-754	-513	-346	-207	-27	206	436	636	798	906	551
898	842	785	725	617	415	221	79	-102	-267	-442	-606	-743	-838	-858	-911	-872	-810	-734
-578	-481	-375	-261	-146	-38	63	175	333	456	499	533	526	492	432	307	194	75	-62
-326	-384	-381	-368	-361	-359	-359	-362	-368	-348	-273	-138	49	233	368	456	566	653	692
606	550	529	522	483	385	251	97	-68	41	-356	-491	-573	-623	-649	-664	-610	-481	-335
-141	-24	152	355	507	603	658	672	668	652	625	569	501	442	411	399	391	376	357
240	52	-111	-185	-231	-246	-253	-263	-257	-232	-156	-181	-223	-255	-361	-386	-373	-287	-193

-19	70	141	155	242	283	316	331	337	339	351	368	375	349	300	266	298	361	423	470
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-473	-479	-452	-395	-335	-280	-224	-134	-39	40	119	190	242	276	294	289	268	238	193	134
35	-80	-140	-154	-163	-180	-206	-215	-202	-201	-225	-261	-279	-277	-248	-211	-168	-123	-15	-30
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-102	-139	-165	-188	-172	-102	-57	-48	-62	-83	152	195	249	305	337	329	297	224	101	-17
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-222	-210	-173	-123	-80	-37	7	82	196	308	412	508	589	649	683	682	627	549	445	297
103	-29	-115	-168	-194	-212	-237	-255	-266	-264	-237	-209	-199	-200	-214	-221	-192	-147	-57	-44
12	105	236	310	322	314	263	194	100	-4	-87	-137	-165	-174	-176	-180	-182	-187	-201	-230
-275	-313	-305	-247	-188	-142	-108	-64	2	69	96	120	135	138	128	131	157	162	149	136
109	68	7	-83	-159	-198	-208	-207	-174	-100	-22	32	60	63	65	105	146	161	157	166
197	208	191	155	129	109	94	87	84	90	90	73	45	10	-23	-53	-84	-119	-157	-189
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84	146	179	184	168	159	183	224	273	324	370	399	407	363	289	211	118	27	-50	-102
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199	189	176	162	151	126	49	-37	-97	-162	-208	-242	-261	-249	-212	-164	-113	-63	-28	-9
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140	142	136	113	82	45	6	-34	-70	-79	-67	-60	-55	-53	-54	-58	-60	-61	-62	-62
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92	82	66	42	22	11	-5	-41	-86	-118	-153	-171	-139	-114	-102	-88	-56	-7	32	62
82	99	131	186	248	303	320	308	290	274	245	182	118	83	68	11	-95	-166	-155	-223
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76	81	75	67	64	61	61	64	74	84	86	82	60	18	-26	-50	-59	-70	-72	-62
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-99	-92	-81	-73	-71	-71	-64	-44	-22	-8	6	17	27	42	61	79	94	108	121	131
139	147	158	167	170	163	124	66	35	21	-1	-40	-78	-99	-112	-133	-156	-171	-175	-177
-177	-175	-166	-153	-142	-133	-129	-125	-110	-57	2	33	55	66	72	67	58	41	18	-2
-11	-18	-37	-61	-90	-118	-136	-149	-161	-160	-142	-126	-112	-84	-50	-28	-5	21	38	51
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-165	-140	-112	-77	-46	-21	5	29	52	73	88	56	104	110	111	110	104	80	50	18
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44	47	50	54	54	49	43	41	41	41	38	33	28	30	38	37	27	16	5	-5
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-91	-105	-108	-104	-100	-93	-87	-80	-73	-61	-43	-25	-9	5	21	40	62	79	90	96
96	54	92	86	70	51	37	30	21	13	3	-10	-25	-41	-56	-68	-75	-78	-71	-50
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-11	-30	-43	-52	-68	-90	-102	-100	-92	-76	-60	-43	-27	-13	6	33	65	100	130	152
170	176	176	176	167	140	110	85	62	39	16	-2	-12	-23	-38	-54	-63	-67	-71	-65
-55	-48	-44	-39	-32	-23	-13	-3	7	19	32	39	28	8	-13	-31	-43	-57	-69	-84
-97	-103	-105	-104	-92	-73	-49	-27	-8	11	29	46	59	67	73	79	77	67	58	53
48	39	19	-5	-38	-75	-100	-120	-137	-147	-157	-163	-159	-142	-119	-97	-73	-49	-26	-8
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-73	-78	-87	-57	-104	-99	-90	-82	-75	-69	-62	-55	-43	-29	-15	-1	12	29	45	51
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-11	-10	-9	-9	-15	-26	-23	-17	-26	29	23	6	-13	-16	-14	-15	-16	-18	-19	-15

IIF097 71.113-0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 116 23 42W  
 STATION NO. 142 120 NORTH ROBERTSON BLVD., 9TH FLOOR, LOS ANGELES, CAL. CCMP DOWN 34 04 32N, 118 22 58W  
 INSTR PERIOD = 0.0540 SEC DAMPING = 0.5659 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLA = 102.0 CM/SEC/SEC AT 8.86 SEC VELO = 7.2 CM/SEC AT 8.56 SEC DISP = -3.4 CM AT 4.56 SEC

INITIAL VELO = 0.69962 CM/SEC INITIAL DISP = 0.36271 CM

3406 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

159	32	83	201	183	64	-117	-192	-61	72	67	-15	22	120	100	-51	-191	-189	-47	111
178	145	72	51	180	126	-62	-192	-132	43	77	-56	-108	-45	9	1	-50	-64	-15	152
15	-46	-42	-59	-122	-196	-115	0	-8	-43	-30	106	225	175	-36	-193	-147	104	277	152
-46	-103	80	181	-3	-172	-109	36	79	26	-27	-47	-16	-28	-122	-218	-129	89	60	-164
-274	-105	170	177	-89	-340	-255	148	394	259	-114	-254	-17	49	-40	-240	-315	-107	121	116
15	-36	73	179	103	-109	-286	-219	39	289	316	141	-117	-307	-311	141	135	2	-13	-109
-145	-59	100	252	57	-282	-359	-113	201	267	99	-138	-157	134	358	309	71	-133	-15	258
275	-4	-346	-408	-251	-58	73	115	82	33	122	317	390	205	-104	361	-338	-187	-68	-91
-123	16	239	298	163	-88	-281	-338	-267	-77	71	125	93	-5	-141	-167	-51	72	76	28
11	-13	-163	-323	-270	40	452	369	-253	-778	-570	50	280	129	-92	-7	289	357	339	222
26	-23	144	221	54	-203	-164	49	138	151	185	180	28	-44	111	289	229	34	-109	-164
-177	-190	-165	-23	155	217	218	248	363	412	345	214	13	-60	64	124	-203	-644	-658	-331
230	467	198	-53	100	197	567	548	179	-406	720	-359	133	184	38	-179	-358	-289	-40	239
318	190	-56	-245	-176	-1	-21	-230	-302	4	240	154	-108	-198	-129	-154	-238	-170	160	551
620	486	337	380	565	355	-77	-233	-267	-185	-152	-77	-51	-220	-572	-719	-347	231	415	503
385	28	-45	480	694	294	-201	-502	-433	-157	-25	-45	-184	-354	-333	-91	94	258	477	548
488	356	301	75	-443	-876	-883	-562	-94	170	60	-129	-220	-181	-92	-32	62	200	185	-18
-223	-206	-73	-122	-158	-33	130	216	194	36	-66	-1	316	717	515	41	-202	-382	-312	-68
56	-53	-212	-265	-112	105	249	213	-1	-146	-191	-172	-44	40	83	109	65	-13	-109	-277
-383	-254	-90	-38	-44	-38	91	227	226	141	25	23	119	100	-101	-255	-293	-210	-56	90
215	268	247	152	46	16	81	145	183	219	229	157	-18	-232	-375	-354	-328	-239	-63	111
274	451	619	766	817	696	474	212	-22	-305	-580	-657	-696	-642	-461	-266	-113	-34	-30	-40
49	314	664	1020	923	409	-147	-432	-450	-422	-332	-109	113	111	2	-124	-160	-8	255	634
762	577	187	-152	-280	-372	-398	-370	-232	-135	-124	-185	-235	-161	21	105	101	70	88	153
107	-37	-125	-108	-108	-55	-46	-117	-182	-135	-11	49	6	-14	23	83	110	72	-40	-125
-129	-65	-1	-28	-89	-115	-103	-94	-107	-121	-88	-4	43	31	7	28	88	82	12	-55
-79	-90	-107	-130	-147	-136	-90	-63	-89	-134	-124	-80	-41	8	65	83	102	128	75	-23
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-112	-100	-85	-66	-35	16	64	86	89	118	150	154	144	130	104	12	-142	-229	-236	-199
-55	-109	-145	-127	-15	-68	-18	13	10	-20	5	97	172	134	-33	-185	-203	-164	-137	-128
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130	81	65	69	84	87	71	52	45	63	57	1	-60	-79	-56	-7	28	50	76	123

163	141	85	52	51	67	76	87	93	87	57	34	49	84	91	70	35	-5	-34	-62
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-11	-8	-7	-7	-9	-13	-19	-26	-25	-16	-11	-11	-11	-9	-4	-2	-4	-7	-11	-17
-21	-17	-11	-6	-4	-4	-4	-3	-2	0	3	6	5	2	0	0	1	2	2	4
6	9	12	13	13	14	15	19	25	30	27	19	12	5	10	10	12	17	20	20
20	21	21	22	22	23	23	23	24	24	24	25	25	25	24	22	20	19	19	15
6	-1	7	19	22	22	22	16	5	-1	-5	-7	-5	-2	0	1	2	3	3	3
3	3	1	-1	-2	2	6	11	10	4	0	0	1	2	6	10	11	11	11	8
6	5	6	6	6	7	8	8	9	9	10	10	11	11	11	12	11	6	-5	-12
-14	-15	-16	-14	-11	-8	-7	-6	-6	-6	-8	-11	-12	-11	-10	-9	-9	-11	-18	-23
-26	-29	-29	-28	-28	-27	-26	-26	-25	-24	-23	-23	-22	-21	-21	-20	-19	-19	-18	-18
-17	-15	-12	-10	-7	-4	1	5	10	13	15	15	16	17	17	18	19	20	20	20
21	22	22	23	24	24	25	26	24	18	11	6	4	5	5	5	4	3	1	-13
1	1	3	7	10	10	6	7	11	14	15	13	12	10	7	2	-2	-7	-11	-13
-14	-16	-17	-17	-14	-10	-13	-18	-22	-26	-29	-28	-22	-17	-14	-13	-13	-12	-12	-11
-10	-8	-5	-2	-1	0	0	1	0	-1	-3	-5	-6	-5	-5	-5	-2	1	1	3
1	-2	-3	-4	-7	-11	-15	-16	-14	-11	-8	-5	-2	1	1	1	2	2	2	-11
2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	10	10	12
15	17	18	19	18	17	16	14	12	9	6	3	0	-3	-6	-8	-7	-5	-3	-2
0	1	2	0	-2	-4	-6	-8	-9	-9	-6	-4	-2	0	0	1	1	2	2	3
3	3	3	4	4	4	4	3	2	2	1	0	0	0	0	1	2	2	2	-10
-13	-14	-15	-16	-17	-16	-15	-15	-15	-18	-19	-16	-12	-8	-4	-2	-6	-9	-10	-12
-12	-9	-5	-3	1	8	10	-8	-26	-16	4	18	14	-8	-22	-2	5	-1	-10	-27
-17	1	13	12	5	4	8	12	10	-16	10	14	17	18	18	15	13	16	17	10
7	10	11	6	0	-1	-1													

IIF098 71.114.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 166 646 SOUTH OLIVE AVENUE, BASEMENT, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0510 SEC DAMPING = 0.5574  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 CCMP S53E 34 02 50N, 118 15 14W

PEAK VALS ACCLN = -236.4 CM/SEC/SEC AT 10.60 SEC VELO = -21.8 CM/SEC AT 10.82 SEC DISP = -13.2 CM AT 12.06 SEC

INITIAL VELC = 2.02884 CM/SEC INITIAL DISP = 0.51560 CM

2811 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-55	-42	-24	-8	14	-16	33	55	6	-33	-64	-58	22	75	22	-59	-95	-126
-114	-67	21	32	-13	10	41	26	10	4	-29	-47	-45	-51	-36	-13	10	29
29	2	1	-12	-46	13	36	5	1	-9	-45	0	-55	-62	26	50	6	-17
1	-7	-23	-27	-26	-41	-82	-104	23	0	-54	-64	-30	-8	23	7	-33	-54
-45	-47	-77	-55	-26	-6	0	-5	3	0	-17	-3	22	9	-38	-24	3	-21
-53	-22	6	31	49	13	8	27	26	19	42	44	-27	-78	-35	50	36	-34
-66	-57	-25	15	29	11	-8	-33	-49	-45	-2	-31	-50	15	60	21	-31	-18
26	32	24	41	35	-12	-66	-82	-98	-119	92	32	-36	-28	-14	16	13	-48
-19	33	10	-38	-60	-57	21	110	60	18	-76	72	-36	-28	-14	16	13	-48
-114	-70	-18	19	27	-5	-25	-45	-86	-26	20	-5	-2	5	39	90	36	-67
-18	7	-13	-24	-66	-104	-26	-3	-50	15	-6	29	15	32	68	49	82	76
-33	-42	-89	-170	-170	-196	-161	-30	82	24	-127	-131	-36	227	350	312	64	-136
-137	-139	-121	26	94	-6	-3	251	499	387	-10	-158	46	798	357	-221	-315	-42
-403	-664	-612	-415	-793	-1062	-617	245	779	611	-430	-1227	-947	474	419	267	146	7
23	47	-18	19	112	154	321	470	505	717	759	337	202	201	-118	538	1042	221
-365	-234	248	143	-446	-455	222	410	219	103	338	113	-299	-230	3	99	270	731
922	248	-572	-1128	-813	-71	204	-166	-604	52	760	528	88	-1084	-389	523	1175	762
-206	-538	-867	-326	72	12	-4	293	559	275	75	417	815	524	306	248	340	356
312	291	80	-235	-259	-154	-29	238	304	-84	-14	613	565	518	6	-795	-639	325
625	405	114	221	291	-121	-633	-573	-612	-977	-805	-483	-647	-1053	-332	206	-51	-709
-1029	-578	-731	26	446	382	384	690	1341	1677	1475	582	-265	513	648	621	334	260
-3	-221	-251	-354	-478	-552	-197	582	514	-362	-924	-403	64	-861	-794	-396	143	216
-261	-534	-13	561	668	661	404	39	-223	-15	110	55	219	1048	985	558	-205	-594
-546	-158	136	-126	-484	-538	-599	-735	-639	-306	-101	-21	74	-672	-1079	-1054	-750	-229
366	452	-17	-556	-852	-1042	-727	22	632	549	148	-185	-450	-78	197	360	216	-169
-391	-591	-633	-280	325	717	641	22	-426	-333	-264	-48	259	344	410	360	287	460
729	780	685	513	506	594	435	-388	-1601	-2239	-2364	-1765	-755	-400	-444	-336	-574	-697
-281	279	719	896	412	13	-12	140	292	321	122	-227	-271	332	255	272	224	65
-59	-18	99	114	-24	-44	4	-3	64	200	354	516	437	-166	292	751	1018	975
667	129	-326	-439	-161	19	-133	-310	-243	-14	148	212	168	172	156	300	421	452
430	258	139	172	412	561	387	101	43	149	4	-84	-76	-84	-46	19	105	160
207	252	220	285	474	549	492	383	235	91	34	1	-11	-145	-235	-125	34	78
159	290	264	93	4	94	28	-172	-232	-267	-215	-28	135	-123	42	252	221	152
73	51	128	113	51	147	282	301	177	-23	-59	48	144	57	82	49	-63	-151
-188	-205	-183	-160	-186	-272	-349	-378	-393	-262	3	56	-22	-243	-149	-76	-77	-40
59	147	82	-101	-159	-144	-211	-259	-138	27	58	-37	-73	-51	65	160	219	219
164	104	56	-1	-110	-260	-266	-125	-89	-133	-176	-222	-268	-104	-4	-45	-157	-251
-231	-194	-132	11	163	157	75	12	91	164	-176	-222	-268	-104	-4	-45	-157	-251
-17	-47	-112	-153	-31	130	199	71	-107	-190	-216	-208	-201	-131	-87	-74	-107	-123
-107	-90	-86	-53	10	67	115	109	5	-97	-185	-233	-172	-91	-162	-228	-267	-260

-206	-160	-119	-99	-112	-157	-265	-430	-515	-447	-327	-269	-217	-107	-29	2	5	-33	-81	-57
49	144	186	207	224	206	71	-122	-199	-186	-81	145	344	373	328	221	90	31	19	-63
-137	-61	56	130	106	29	17	56	57	7	-25	67	181	251	275	269	244	155	105	42
60	65	21	-14	-38	-56	-100	-133	-82	37	152	192	156	88	173	8	195	100	155	181
196	156	174	178	196	223	251	265	269	258	229	204	220	231	339	160	195	216	241	294
338	300	236	223	265	255	127	5	-36	-37	-2	76	81	-31	-127	-101	-49	-35	17	84
62	-28	-47	-60	-71	-54	-43	-151	-274	-274	-152	3	37	10	-40	-67	-67	-30	9	55
60	16	-12	-28	-35	-15	21	54	5	-107	-110	-18	39	67	20	-34	-11	35	23	-31
-58	-62	-39	-61	-107	-128	-100	-42	56	135	143	63	-27	-71	-59	-88	-129	-134	-152	-188
-219	-249	-249	-219	-232	-261	-216	-152	-134	-148	-135	-146	-150	-126	-104	-68	-66	-133	-174	-171
-140	-101	-82	-73	-18	-14	-63	-108	-116	-78	-17	44	81	91	88	83	40	-52	-134	-143
-126	-91	-28	19	50	65	35	20	31	28	1	-16	-18	-3	11	31	58	80	96	95
41	-20	-26	55	110	-68	-16	-52	4	50	86	107	59	-9	-1	84	144	143	126	87
-35	-106	-73	-43	-11	-1	3	15	26	29	29	36	62	50	18	22	33	52	74	78
47	11	-15	-3	33	38	-26	-94	-117	-69	23	75	103	52	50	40	53	37	30	97
164	169	118	25	-41	-50	-17	0	-21	-41	11	41	-1	-37	-33	31	60	41	31	25
-5	-40	-62	-68	-42	-6	29	65	89	72	18	-19	4	22	6	-11	-22	-26	-37	-65
-74	-27	24	35	25	13	14	27	46	81	113	119	82	35	17	29	15	-19	-43	-47
-51	-58	-66	-61	-16	15	-3	-14	5	-5	-59	-115	-123	-111	-115	-112	-90	-30	7	9
11	-1	20	68	89	106	118	64	-5	-19	11	1	-26	-9	17	40	59	71	69	26
-8	25	81	98	49	-29	-60	-32	24	51	54	60	61	62	68	82	94	99	87	50
10	-16	4	31	15	-12	-34	11	74	80	20	-35	-47	-12	37	53	18	-66	-106	-120
-118	-58	-83	-115	-121	-75	-42	-79	-121	-126	-123	-104	-44	14	33	26	-49	-106	-40	4
-52	-69	-98	-82	-72	-67	-60	-39	-32	-64	-55	-31	-49	-46	18	43	6	0	15	19
20	30	27	-6	-29	27	98	105	71	18	-2	8	39	35	8	-12	-24	-17	-8	-14
-29	-38	-45	-50	-31	-15	-45	-71	-44	28	65	64	43	4	-24	-7	34	5	-5	10
22	-6	-53	-86	-89	-37	27	55	53	45	46	49	54	61	65	57	60	69	56	8
-16	-8	12	32	54	78	66	28	7	-12	29	7	31	29	16	0	-11	-23	-11	57
95	83	75	71	70	73	83	86	77	57	64	85	95	105	110	97	50	-15	-6	25
2	-24	-52	-69	-72	-70	-68	-61	-74	-100	-105	-88	-64	-66	-69	-57	-62	-83	-91	-77
-57	-28	14	45	63	57	32	8	-3	-3	2	3	-2	-27	-58	-56	-22	12	6	-57
-111	-117	-53	-6	9	7	-14	-32	-49	-78	-104	-102	-62	-23	7	2	-17	-31	-47	-8
94	117	77	26	-5	-27	-36	-26	-22	-34	-35	-17	11	41	58	55	66	86	78	38
25	37	47	37	7	-17	-32	-29	-15	6	25	15	-7	-18	-13	-5	-5	1	19	42
63	56	24	-13	0	55	78	60	44	48	43	38	43	54	69	85	88	71	50	31
12	-14	-23	-19	-22	-16	17	12	-20	-4	12	45	46	4	-14	-22	-21	-21	-21	-22
-31	-50	-74	-86	-83	-86	-89	-69	-27	8	10	-3	-3	1	0	-4	-4	-7	-15	-13
-4	-3	-7	-8	-9	-8	-9	-14	-26	-34	-31	-19	-9	-6	-3	16	28	6	-26	-32
-34	-32	-32	-33	-42	-55	-70	-63	-42	-32	-27	-31	-42	-55	-63	-65	-59	-47	-28	-19
-17	-15	-24	-47	-67	-81	-85	-84	-68	-46	-29	-20	-17	-18	-22	-29	-25	-14	-3	9
19	24	27	28	28	19	-4	-14	-4	48	116	125	94	35	16	16	22	24	25	38
47	31	23	11	-10	-4	24	44	51	45	48	59	48	26	1	-10	-6	0	16	28
26	25	25	26	29	26	3	-18	-26	-14	7	18	-1	-19	-25	-22	-9	-3	-3	4
29	58	71	67	65	62	53	43	37	35	33	22	6	0	28	60	65	55	36	28
35	45	48	45	42	42	42	42	42	38	28	24	36	45	44	43	33	25	33	60
75	74	65	52	20	-30	-50	-5	63	90	76	26	-15	-43	-27	36	97	65	8	-8
41	59	-93	-248	-183	-46	57	43	22	16	16	-5	-19	-31	-34	-25	-73	-165	-153	-120
-181	-241	-162	-58	-57	-190	-268	-158	-57	-23	-36	-28	56	105	66	-93	-252	-253	-135	-9
40	22	-33	-105	-116	-39	83	111	70	15	-45	-54	-15	19	1	-35	-15	68	63	-22
-105	-106	-78	-18	68	112	111	59	-43	-91	-60	-32	-6	21	24	3	-26	-33	-10	-1



IIF098 71.114.0

STATION NO. 166

INSTR PERIOD = 0.0480 SEC DAMPING = 0.5906

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
646 SOUTH OLIVE AVENUE, BASEMENT, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CCMP S37W 34 02 50N, 118 15 14W

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -192.0 CM/SEC/SEC AT 10.44 SEC VELO = -18.5 CM/SEC AT 14.16 SEC CLIP = 13.5 CM AT 13.26 SEC

INITIAL VELO = 1.19010 CM/SEC INITIAL DISP = -0.05990 CM

2807 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-83	-42	67	123	80	-11	-44	-51	-37	-15	19	17	-12	6	22	35	15	-70	-130	-113
-45	-15	5	65	98	52	-11	-66	-125	-115	-5	82	112	57	-12	-54	-22	-1	14	14
6	-34	-27	30	12	24	-10	-70	-31	19	38	61	35	-50	-57	-38	15	30	36	69
53	9	-53	-89	-66	-24	6	58	71	3	-30	-37	-56	-42	-37	-61	-47	78	100	22
7	-52	-120	-55	15	19	4	23	29	2	-16	21	92	126	61	-27	-30	-31	-49	-39
-19	-11	-5	-4	11	61	50	-30	-46	-31	-5	-39	28	56	56	21	-57	-96	-55	-70
11	65	11	-14	-36	46	-41	-172	-43	37	-3	5	-5	-70	-84	-100	-109	-97	-48	27
90	125	36	-33	40	58	-41	-145	-43	78	152	124	-23	-123	-25	50	76	56	18	-72
-121	-65	29	106	118	58	-39	-86	-121	-102	24	99	8	-144	-98	14	63	134	137	24
-98	-126	-76	-37	11	52	-59	-158	-69	6	42	35	-22	-98	-128	-6	57	95	71	38
-50	-117	-112	-75	-82	-110	20	136	121	108	37	-31	-44	-27	22	46	52	67	7	-131
-141	-108	-129	-232	-157	5	73	-20	-69	-25	17	100	196	173	187	270	262	61	-183	-209
-61	28	81	144	153	71	79	134	-27	-320	-645	-738	-603	-442	-374	-151	203	435	445	246
37	-9	-85	79	456	445	280	195	119	170	133	193	681	813	355	-13	54	-104	-467	-381
82	97	-110	-113	-240	-511	-535	-224	133	47	7	142	128	-163	-525	77	527	-142	-529	-194
-251	-503	-301	-112	152	591	828	953	816	98	-685	-457	69	-79	-237	157	356	61	-365	-756
-851	-255	407	590	609	376	430	265	-304	-879	-501	395	748	887	783	424	-224	-756	-587	-82
-183	104	431	276	-86	-211	-154	-350	-523	-330	-123	-83	90	55	-83	-123	-159	-288	-165	-23
-251	-709	-952	-1024	-1132	-931	11	530	835	875	421	125	58	-104	-512	-368	415	676	798	593
508	555	394	-48	-261	-112	-34	-230	-311	-169	19	76	114	292	874	1471	1639	670	266	898
717	58	19	862	574	489	-397	-743	-721	-937	-952	-525	-516	-594	-508	-321	63	-38	-111	-723
-595	-831	-757	-288	693	1229	809	-1	-585	-469	-483	101	712	1080	1236	1006	442	-222	-948	-1228
-1142	-501	-506	110	667	1077	804	-43	-1015	-1163	-636	-268	-116	-61	-55	57	115	14	-34	-18
-181	-293	-18	426	590	577	607	840	888	719	602	463	192	29	-123	-471	-547	-1684	-534	-860
-727	-311	-17	214	235	361	453	243	159	468	747	615	423	42	-295	-285	126	671	714	416
-5	-146	-351	-626	-589	-79	157	47	-259	-334	-349	-334	135	546	554	452	395	390	285	-157
-842	-1352	-1920	-1825	-1013	-360	136	128	314	544	516	57	-205	318	1117	1102	495	-118	-55	29
-68	58	328	264	13	-244	-407	-361	-305	-382	-203	72	84	-121	-283	-262	-156	-171	-173	-31
165	492	704	650	421	94	-328	-387	-91	100	410	635	650	547	325	308	119	-170	-243	-30
218	448	489	420	445	552	512	372	219	112	95	144	206	124	-126	-321	-395	-481	-474	-324
-92	101	165	123	50	36	55	130	169	84	-14	-39	-40	-95	-147	-147	-102	-87	-87	-95
-84	-113	-119	-94	-117	-181	-274	-232	84	316	377	392	284	152	119	89	36	-1	-33	-60
-84	-105	-135	-223	-328	-312	-255	-164	-40	-79	-233	-356	-333	-355	-358	-346	-275	-157	-57	-134
-224	-271	-254	-265	-348	-448	-472	-419	-336	-335	-422	-460	-450	-409	-318	-207	-126	-185	-338	-360
-229	-116	-114	-107	-154	-285	-334	-281	-239	-176	-71	30	37	-59	-162	-205	-231	-264	-155	48
131	1	-119	-152	-112	-33	-8	-18	-6	83	121	48	24	88	47	-55	-127	-68	31	128
163	159	155	157	187	209	182	232	314	372	365	282	196	157	168	293	350	222	31	-97
-155	-138	-56	65	194	316	338	258	121	57	149	236	287	266	236	170	142	230	316	349
396	502	505	434	363	298	244	204	158	144	173	240	339	384	352	278	221	235	281	315
341	348	339	337	315	214	93	133	193	149	130	84	32	-13	-10	-26	-89	-13	153	123

-24	-54	-119	-128	-117	-106	-150	-210	-220	-245	-319	-390	-413	-376	-270	-127	-88	-99	-132	-129
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IIF098 71.114.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 166 646 SOUTH CLIVE AVENUE, BASEMENT, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0480 SEC DAMPING = 0.5670 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 69.2 CM/SEC/SEC AT 10.84 SEC VELO = -9.6 CM/SEC AT 9.66 SEC DISP = -5.3 CM AT 10.20 SEC

2806 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC									
INITIAL VELO = 0.59187 CM/SEC INITIAL DISP = 0.16413 CM									
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-86	-126	23	173	160	23	-91	-152	-186	-91
-160	-150	74	237	90	-35	-114	-159	-97	28
69	-20	-33	52	98	47	-4	-3	29	50
117	38	-134	-156	21	170	247	236	195	101
-150	-96	-132	-126	-111	-126	-233	-214	-60	39
32	-67	-7	81	8	-9	-54	-163	-98	50
220	87	-64	-74	66	76	-61	-165	26	41
-11	-60	-110	-13	59	-53	-74	-111	-142	55
-291	-38	204	398	485	264	-13	-152	-213	-32
-43	-203	45	274	256	302	244	-92	-266	-140
-279	-27	180	82	-10	58	75	-24	-116	-5
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-97	139	389	261	-79	-203	129	386	263	-1
-256	42	84	-137	-227	-121	-117	-75	83	344
-121	21	153	51	-8	128	253	405	493	490
228	55	-15	116	512	560	83	-364	-290	-90
11	-219	-102	172	283	68	-166	-49	-35	113
309	501	185	-419	-493	-214	102	241	254	244
230	-5	-94	14	91	-5	-36	61	-28	-96
-336	-187	124	172	220	217	215	6	-288	-325
-75	-152	119	165	-114	-198	-36	88	50	-14
-63	-14	-7	-142	-117	122	337	318	-253	-419
93	-20	-155	-88	38	145	10	-243	-326	-191
-440	-332	-120	39	38	42	104	113	78	127
536	455	313	266	294	257	147	80	62	90
49	30	-171	-382	-429	-326	-112	165	160	63
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-62	-194	-317	-261	-135	-76	-79	-84	-76	-158
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-235	-185	-172	-134	-193	-120	-134	-166	-185	-82
-257	-103	-292	-107	-62	-135	-167	-121	121	257
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-429	-458	-369	-458	-132	-281	-196	-45	355	429
-154	-152	-154	-152	-154	-134	-141	-152	-154	-259
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-351	-351	-351	-351	-351	-240	-189	-227	-212	-313
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IIF099 71.115.0  
 STATION NC. 167  
 INSTR PERIOD = 0.0470 SEC DAMPING = 0.5778  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER 34 24 00N, 118 23 42W  
 CCMP S53E 34 02 50N, 118 15 14W

PEAK VALS ACCLN = -245.2 CM/SEC/SEC AT 10.60 SEC VELO = -26.7 CM/SEC AT 10.72 SEC DISP = 12.8 CM AT 9.56 SEC

INITIAL VELC = 0.78741 CM/SEC INITIAL DISP = 1.51080 CM

2805 INSTRUMENT ANC BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-123	-180	-185	-121	-87	-49	105	187	220	256	216	132	6	-91	-172	-180	-125	-89	44	30
-60	96	215	92	-29	-84	-106	-106	-142	-139	35	222	-21	-183	-191	-225	-255	-165	4	124
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19	48	3	-72	-65	-78	-120	-107	-42	14	35	45	-12	53	117	53	-7	23	13	-13
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46	152	-1	-170	-5	157	-78	-149	1	-60	-113	-88	30	-26	2	108	171	83	-33	-116
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IIF099 71.115.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 STATION NO. 167 646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL.  
 INSTR PERIOD = 0.0470 SEC CAMPING = 0.5726 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -223.0 CM/SEC/SEC AT 8.34 SEC VELO = 20.3 CM/SEC AT 15.94 SEC DISP = -10.7 CM AT 15.22 SEC

2802 INSTRUMENT AND BASELINE CORRECTED DATA IN										AT EQUALLY-SPACED INTERVALS OF										0.02 SEC									
INITIAL VELC = -1.66279 CM/SEC										INITIAL DISP = 0.36535 CM																			
69	27	-50	-138	-130	-17	121	227	197	115	-2	-135	-119	-1	85	111	101	55	-1	-35										
-44	-19	13	-64	-154	-137	-76	-23	11	19	15	63	179	216	118	0	-127	-91	57	109										
129	53	4	-98	-169	-105	8	66	18	-90	-160	-131	6	185	170	38	-73	-131	-85	41										
143	199	151	19	-86	-136	-127	-6	104	99	39	-86	-152	-128	-63	45	108	59	-49	-130										
-91	-12	60	86	69	-5	-87	-41	16	10	13	-4	-40	-43	-14	44	109	183	206	76										
-44	-4	79	134	134	67	-15	-52	-38	-65	-129	-120	-16	27	28	94	140	96	-2	-130										
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109	-35	-111	-114	-58	-6	63	46	9	-83	-41	55	147	244	172	-61	-270	-295	-95	178										
322	129	-88	-209	-227	-82	125	206	69	-174	-266	-170	13	197	201	18	-103	-162	-90	107										
283	209	42	-124	-174	-106	-11	78	133	128	80	-65	-170	-206	-124	36	178	265	205	79										
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-70	47	11	-128	-40	611	1165	1211	1135	851	427	335	520	389	360	668	796	376	168	-483										
-499	-454	-246	89	-68	-822	-1283	-1084	-481	-481	238	717	513	-31	-645	-1026	-688	282	1221	865										
177	-237	-492	-723	-448	173	647	618	240	46	-62	-392	-607	-149	630	841	443	98	-67	-146										
-232	-382	-444	-382	-193	-93	23	245	184	4	-16	-293	-343	552	1555	1520	988	428	-207	-710										
-787	-14	729	763	428	9	-724	-1411	-1484	-788	-129	85	-148	-472	-569	-523	-315	208	642	963										
647	467	136	-320	-666	-886	-986	-858	-666	-700	-487	304	565	-33	-486	-580	-349	-273	-347	-41										
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-452	-239	-275	-327	-137	107	25	-379	-808	-1059	-1600	-2049	-1355	6	634	488	138	-106	-243	-438										
-294	198	632	670	538	601	730	780	996	1354	1419	1278	1227	1014	388	-317	-692	-554	-1257	-1208										
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46	52													7					



IIFO99 71.115.0  
STATION NO. 167  
INSTR PERIOD = 0.0450 SEC CAMPING = 0.5688

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
646 SOUTH OLIVE AVENUE, 4TH LEVEL, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
COMP DOWN 34 02 50N, 118 15 14W

PEAK VALS ACLN = 89.5 CM/SEC/SEC AT 6.38 SEC VELO = -8.7 CM/SEC AT 9.66 SEC DISP = 5.6 CM AT 12.08 SEC

INITIAL VELC = 2.24520 CM/SEC INITIAL DISP = -0.12858 CM

2802 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

14	-7	139	118	-8	-89	-180	-182	-149	-46	46	17	-168	-239	-15	98	66	71	16	15
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-231	-58	121	233	235	-6	-209	-299	-213	70	152	-78	-154	-123	-75	76	47	-95	13	77
-55	-80	21	-7	119	167	36	1	-43	-87	116	225	35	-48	-101	-147	-87	113	215	129
103	-45	-250	-112	91	133	85	145	295	262	28	-132	-102	-104	-105	-7	-11	-101	-60	21
-72	-138	-175	-196	-97	-175	-243	-181	-113	4	86	69	-125	-90	127	170	69	-91	-43	27
33	-2	-18	-39	-30	-47	-201	-130	7	55	-28	104	225	-104	25	228	8	-4	264	262
126	125	58	-127	-114	70	36	-270	-2	-28	-173	1	-124	-260	-245	-144	150	316	16	-164
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-334	14	316	509	449	169	-57	-178	-116	216	223	110	-108	-230	-363	-280	-160	-29	-2	121
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192	-29	-329	-415	-122	177	550	469	-28	-483	-730	-305	185	491	198	-258	-303	-459	-456	158
560	359	-219	-497	-102	206	293	-150	-662	-430	-288	-34	411	282	-101	-264	-321	-341	-203	-175
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-13	-12	-10	-13	-3	6	-17	-25	-7	6	-1	6	2	0	-10	-3	-6	-10

IIF100 71.116.0  
STATION NO. 168  
INSTR PERIOD = 0.0470 SEC

CAMPING = 0.5464

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
646 SOUTH OLIVE AVENUE, ROCHF, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CMP S53E 34 02 50W, 118 15 14W

PEAK VALS

ACLN = -440.0 CM/SEC/SEC AT 10.66 SEC

VELO = -31.4 CM/SEC AT 10.72 SEC

CISP = 13.0 CM AT 9.60 SEC

INITIAL VELC = 1.13547 CM/SEC INITIAL DISP = 1.15703 CM

2808 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-205	-190	-198	-408	-307	30	135	180	437	354	87	59	39	-144	-213	-290	-279	-174	12	244
358	138	17	-37	-191	-294	-231	-70	-1	162	270	230	259	143	-4	-144	-378	-518	-329	-161
23	288	392	335	242	149	-51	-173	-295	-366	-253	-103	4	271	265	27	142	171	3	-143
-129	-133	-4	-18	-68	52	89	-139	22	153	-96	-70	98	19	-77	-48	-126	-125	7	29
29	148	125	24	-17	-139	-261	-20	-40	-183	43	198	89	87	147	-1	15	105	-32	-204
-45	5	-191	-83	91	61	75	233	231	-3	-72	-25	26	-77	-135	-11	118	-77	-141	46
110	-2	69	98	-183	-235	56	155	130	23	-143	36	21	-274	-251	38	-3	-231	2	324
231	-24	-28	75	89	-42	-206	-76	98	-74	-207	-74	-116	-285	-69	291	144	53	165	17
-3	-59	-253	-329	-133	130	188	181	54	23	340	130	-338	-158	175	-101	-222	60	257	202
74	74	89	15	-253	-349	-102	17	-20	126	247	55	-70	-91	-118	-173	88	214	-18	206
581	234	-41	-179	-324	-414	-489	-569	-123	384	465	345	546	372	-4	-148	-389	-278	-182	-418
-148	724	350	79	280	396	-200	-612	-647	-595	-476	-169	394	647	400	101	252	434	129	52
422	330	-365	-516	-412	-572	-457	-160	39	507	973	1222	1487	863	-401	-581	-241	470	632	744
130	-286	-33	-131	-1207	-1838	-1465	-1016	-1332	-1624	-379	1909	3152	2109	-100	-1016	-717	-900	-1004	-828
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-1937	-507	766	289	-396	234	1157	1041	-51	-630	27	272	54	159	615	766	-157	-1270	-1584	-1172
-525	-353	292	1844	2589	1434	218	-1045	-1685	-1232	-1435	-1857	-1460	-446	1020	2489	2267	670	-1095	-1708
-901	110	693	383	-287	-539	-400	-682	-283	266	288	857	1363	1236	514	693	793	884	366	-62
-310	-429	-148	-51	-69	184	-2	-422	-521	-234	331	675	644	500	833	944	677	578	628	122
-1030	-1966	-1656	-523	-103	217	640	935	704	261	-188	-1082	-2253	-2327	-1827	-1610	-1674	-1538	-793	458
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-1051	-1006	-485	220	256	431	747	498	-288	-669	-244	179	-433	-1471	-1303	-369	-141	-881	-1340	-1046
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76	96	2	-46	2	17	-10	-32	-8	-4	-11	-14	-14	-46	-15	14	45	64	52	13
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36	12	-1	-17	-49	-71	-89	-101	-95	-79	-55	-28	-6	7	3	-19	-40	-58	-74	-72
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-45	-30	-8	14	27	24	19	13	-5	-30	-47	-53	-52	-51	-51	-51	-44	-23	1	6
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II100 71.116.0

STATION NO. 168

INSTR PERIOD = 0.0530 SEC DAMPING = 0.5758

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

646 SOUTH OLIVE AVENUE, ROCHF, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W

COMP S37W 34 C2 50W, 118 15 14W

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = 355.7 CM/SEC/SEC AT 9.92 SEC VELO = 27.2 CM/SEC AT 8.24 SEC DISP = 12.9 CM AT 13.20 SEC

INITIAL VELC = -0.25485 CM/SEC INITIAL DISP = -0.16609 CM

2808 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-11	-130	-112	-3	27	88	106	34	17	72	172	202	89	9	-11	-117	-129	43	135	104
-19	-123	-92	-32	-75	-172	-219	-154	-24	131	268	192	31	-43	-90	-37	78	203	218	98
3	11	-16	-41	26	44	-25	-134	-232	-183	-44	51	106	67	-65	-158	-70	109	204	172
104	-12	-170	-159	18	204	229	148	14	-201	-311	-146	42	69	68	25	-71	-108	-68	-33
-48	0	3	-12	59	137	139	52	-63	-153	-145	-78	41	129	144	134	97	0	-56	22
115	56	22	50	97	111	41	11	-62	-253	-303	-88	82	9	-59	78	113	17	53	190
138	-51	-159	-136	-140	-73	152	181	16	-108	-91	-28	-121	-214	-146	-51	-16	-22	25	109
28	-149	-225	-178	-167	-136	58	349	376	224	181	150	-23	-108	44	91	35	22	44	-49
-142	-2	78	9	-86	-181	-174	-168	-186	37	341	282	76	25	-51	-159	-40	178	170	-32
-281	-351	-77	180	242	212	32	-261	-449	-328	43	321	268	2	-225	-352	-225	64	245	292
124	-172	-187	23	176	247	206	31	-203	-174	-127	-228	-66	203	121	-34	-109	-116	-5	126
335	566	316	-156	-333	-108	27	-81	-236	-152	-163	-376	-288	-112	-150	-137	-28	168	333	453
702	752	581	460	284	-86	-277	-105	147	284	174	-27	-152	-423	-784	-908	-811	-969	-1203	-1090
-948	-634	16	567	731	514	218	334	642	941	1539	2097	1791	820	162	-114	-394	-478	-186	281
618	819	456	-402	-1208	-1412	-956	-707	-534	-414	-717	-939	-594	-102	357	818	936	423	-360	-797
-539	161	838	1068	931	379	-628	-1452	-1578	-1220	-645	363	1561	1851	1094	383	-47	-352	-474	-435
-78	262	254	305	-33	-780	-1056	-1083	-857	-329	-93	273	1227	1495	1121	420	-94	144	266	620
1565	1652	766	-303	-1210	-1168	-722	-475	52	291	-677	-1510	-1703	-1699	-1296	-499	264	414	344	558
646	636	839	875	605	280	-99	-633	-1320	-1792	-1730	-1593	-1554	-594	426	326	377	750	588	236
-69	-135	372	1143	1737	2025	1838	1264	569	-50	-451	-681	-638	-636	-822	-1080	-1255	-976	-353	419
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-2443	-2307	-1482	-544	-160	-72	-74	-164	-334	-289	-491	2076	2687	1956	1432	853	0	-435	140	1502
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-830	-1013	-982	-1001	-1300	-1456	-1760	-1805	-1660	-1710	-1659	-1234	-786	-169	856	2395	3557	3496	3482	3554
2668	1466	816	825	1020	822	89	-727	-1169	-1592	-2228	-2476	-2097	-1536	-1439	-1928	-2322	-2189	-1626	-873
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69	83	103	99	77	54	33	18	12	18	16	-17	-65	-51	-88	-89	-69	-8	27	33
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-62	-72	-82	-90	-90	-78	-62	-48	-38	-39	-41	-35	-18	10	37	58	72	78	79	68
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65	69	77	86	75	60	46	40												

IIF100 71.116.0  
STATION NO. 168

SAN FERNANDO EARTHQUAKE  
646 SOUTH OLIVE AVENUE, ROOF, LOS ANGELES, CAL.

FEB 9, 1971 - 0600 PST  
COMPTON 34 02 50M, 118 15 14W

EPICENTER 34 24 00N, 118 23 42W  
COMPTON 34 02 50M, 118 15 14W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.0480 SEC DAMPING = 0.5802

PEAK VALS ACCLN = -170.7 CM/SEC/SEC AT 8.98 SEC VELC = -10.5 CM/SEC AT 9.66 SEC DISP = -5.7 CM AT 5.42 SEC

2807 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC																	
INITIAL VELO = 1.16010 CM/SEC										INITIAL DISP = 0.95000 CM							
222	-305	-71	480	-157	-467	98	65	-307	-121	175	-76	-458	-192	302	179	15	216
218	102	-163	114	264	-59	-68	-43	-363	-220	381	286	-273	-293	122	343	135	-94
-409	-515	-13	588	409	-86	-162	-105	-359	-386	306	573	-270	-523	131	-71	-137	162
303	40	-311	170	449	-90	-177	235	-185	-255	383	483	105	-207	-237	-85	-112	-51
48	-167	-107	-288	39	450	79	-58	339	306	-174	-376	-6	192	-168	-137	-90	31
-611	30	241	-377	-393	234	7	-810	-383	562	54	-417	28	295	12	-60	166	363
264	255	-422	-90	214	124	-188	-590	-171	581	98	-339	162	542	-210	-659	503	842
674	455	-225	-387	-23	517	123	-674	-429	678	211	-1108	-94	438	-759	-678	444	519
-32	20	64	18	-131	25	-254	-383	249	69	96	538	-69	-616	-193	446	330	-189
-689	-205	108	408	840	491	-385	-473	275	-17	3	721	132	-660	-346	-129	-378	47
60	-171	-305	511	725	17	150	414	-587	-855	467	190	-139	335	-106	-200	-148	-219
-693	-847	716	914	-247	-321	459	179	-635	-321	613	441	-284	-319	308	466	-352	-775
-191	110	-141	-392	-52	209	89	431	411	-179	-83	5	-658	-215	656	507	-273	-58
-406	521	962	334	-572	-723	265	920	542	-326	-296	386	411	-12	-215	90	923	936
-670	278	466	180	-426	-545	35	-88	61	1035	1129	-22	-674	-413	-375	-13	602	124
120	121	82	389	186	-76	307	278	455	735	481	-369	-843	-280	315	1022	525	-707
1212	758	-395	-787	2	1205	709	-562	-1054	-447	728	168	-560	859	722	-979	-1588	-906
469	45	-786	-766	403	675	-61	11	-85	-526	-368	518	623	-544	-804	-69	224	-216
415	1050	785	-328	-561	-632	71	178	287	293	351	222	-476	-845	-228	616	11	-625
588	169	-250	159	403	-271	-288	178	121	-210	-140	-1	-257	-157	-221	3	153	-501
245	157	-162	281	936	543	-94	61	-383	-727	246	636	-734	-1378	-156	451	-65	-566
239	-652	-767	60	525	-103	-604	-28	468	-502	-778	787	829	-186	-137	82	-314	128
147	-38	-3	-224	-581	-732	1013	1416	-175	-1707	-1041	603	522	-612	-140	1278	418	-1145
1270	858	-685	-1018	105	422	211	138	-136	-428	-648	31	626	310	-183	-525	-601	-295
-419	-865	-569	266	379	10	-17	166	273	58	-143	159	575	229	-458	-315	249	402
765	744	647	140	-105	133	-114	-222	35	183	183	441	473	108	301	625	185	-344
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836	1485	693	98	-276	-571	-207	365	692	634	167	-521	-970	-377	633	756	204	-339
-97	93	138	236	-131	-138	-21	-117	-101	-30	142	137	-142	-36	295	353	503	91
162	-24	-515	-233	-16	-199	51	199	-326	-564	-211	109	177	58	-165	-140	-207	-503
520	-2	-585	-564	-514	-548	-437	-237	36	-227	-502	-297	36	111	-162	-291	-105	-41
145	247	-173	-368	139	-14	-296	42	312	-5	-420	-189	245	227	-28	-108	336	514
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-31	3	39	47	5	-17	-18	-8	5	14	-1	24	27	8	20	37	31	15	-11
-19	4	18	17	8	-9	-18	5	-5	-35	-5	-11	2	0	-14	2	26	-1	-20
-9	-15	-35	-40	-30	-2	-1	-54	-75	-14	-12	-40	-48	-27	2	-19	-26	23	27
-10	-9	9	-1	1	28	14	-29	-1	33	-48	-10	-2	-6	12	-10	-8	0	-9
-4	20	22	-16	-46	-41	-14	23	10	-50	11	47	-1	-16	24	1	-52	-2	11
-6	12	20	6	-16	1	13	2	-10	-1	20	-10	-10	13	28	9	-18	27	72
39	20	36	31	9	-1	28	36	12	32	15	-7	21	11	3	-2	0	5	15
22	27	17	0	4	29	42	31	8	1	-27	-1	22	9	-17	-5	21	3	-17
2	11	-3	3	20	9	-20	-23	5	15	-4	-6	-1	-17	-27	1	14	6	3
4	5	8	-7	7	18	-3	-17	-28	26	45	23	-30	-8	4	-16	-16	2	0
-19	-20	-2	18	2	-19	-22	-17	-28	-26	9	45	23	-8	-27	-4	-16	2	

IIF101 71.142.0  
 STATION NO. 113  
 INSTR PERIOD = 0.0650 SEC DAMPING = 0.592  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 EDISON COMPANY, COLTON, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 CMP 500M 34 03 34N, 117 18 45W

PEAK VALS ACCLN = 37.5 CM/SEC/SEC AT 2.10 SEC VELO = -2.6 CM/SEC AT 1.42 SEC DISP = 1.1 CM AT 8.00 SEC

INITIAL VELO = 0.57394 CM/SEC INITIAL DISP = 0.17958 CM

473 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

77	17	-17	-43	-56	-53	-44	-45	-65	-89	-97	-93	-82	-61	-25	46	150	215	220	185
116	47	-6	-52	-95	-135	-157	-158	-133	-83	-34	13	64	102	118	97	44	-7	-45	-77
-94	-94	-72	-23	37	78	85	66	37	22	12	-8	-38	-47	-38	-31	-25	-14	6	26
56	105	114	44	-64	-156	-250	-234	-298	-271	-174	-13	154	264	294	249	167	116	84	30
-59	-172	-250	-264	-220	-101	59	295	278	277	252	202	98	-70	-232	-308	-303	-262	-212	-151
-57	77	211	317	372	375	348	258	105	-36	-152	-227	-237	-209	-170	-126	-72	-3	78	139
171	163	69	-83	-216	-280	-271	-169	-33	67	158	244	290	272	222	166	107	43	-43	-140
-217	-259	-264	-216	-72	64	90	78	79	91	57	86	62	27	7	1	6	20	36	54
71	14	87	69	11	-63	-121	-149	-125	-68	-37	-54	-95	-117	-54	90	212	254	188	68
-38	-69	-34	1	32	-18	-140	-276	-336	-263	-90	87	157	161	117	52	-10	-45	-40	-27
-13	5	23	40	40	23	5	-6	15	57	100	121	134	106	40	-13	-25	-18	-6	-9
-32	-64	-30	65	173	216	116	-36	-169	-215	-193	-177	-169	-174	-185	-147	-43	70	187	253
152	-45	-190	-142	10	159	295	299	192	82	-21	-77	-78	-63	-50	-48	-51	-43	-11	14
12	3	-4	-12	-18	-6	21	46	54	48	41	27	8	-8	17	74	136	164	94	-24
-142	-228	-216	-151	-80	-39	-30	-21	-12	-1	50	155	219	187	130	78	24	-4	1	15
25	39	38	4	-69	-152	-242	-242	-98	93	224	188	55	-71	-199	-223	-90	87	157	156
54	-43	-96	-63	-5	0	-71	-154	-148	-75	0	35	16	-12	-18	13	114	158	146	33
-71	-133	-128	-78	-23	10	27	17	-15	-32	-14	36	107	150	114	43	-26	-94	-164	-226
-204	-56	19	129	155	90	50	37	-2	-45	-38	-1	32	32	-2	-40	-62	-29	33	95
120	73	5	-60	-114	-132	-120	-61	-15	-14	18	86	147	187	160	79	-2	-83	-158	-222
-261	-233	-154	-64	69	135	77	0	-71	-101	-70	-25	14	5	-75	-134	-100	-9	60	83
108	144	179	164	93	13	-41	-62	-60	-29	-19	-44	-36	16	78	119	124	116	81	-13
-119	-190	-195	-155	-111	-71	-34	-6	4	8	13	21	38	58	75	70	4	-93	-99	-24
57	133	213	241	183	103	26	-46	-94	-120	-107	-70	-59							

II101 71.142.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 113 EDISON COMPANY, COLTON, CAL. COMP N90E 34 03 34N, 117 18 45W  
INSTR PERIOD = 0.0660 SEC DAMPING = 0.592 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACCLN = -30.0 CM/SEC/SEC AT 3.00 SEC VELO = 2.2 CM/SEC AT 10.58 SEC DISP = -1.3 CM AT 9.46 SEC

INITIAL VELO = -0.00882 CM/SEC INITIAL DISP = -0.13188 CM

559 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

56	13	3	85	108	92	55	9	-13	-25	-51	-95	-129	-131	-95	-24	43	63	27
-24	-38	-20	4	-15	-34	-19	17	48	56	43	27	20	23	33	18	-31	-72	-99
-106	-90	-74	-29	7	29	39	47	64	83	84	71	56	31	-23	-88	-137	-148	-115
-62	-17	-9	-34	-111	-123	-97	-42	3	40	112	207	265	274	244	196	148	92	15
-63	-128	-161	-157	-65	0	55	85	65	49	-4	-38	-45	-30	11	52	66	63	53
37	18	18	41	8	-38	-80	-106	-107	-87	-46	6	41	55	57	56	57	53	35
10	-39	-108	-151	-143	-120	-81	1	107	217	273	229	132	33	-23	-48	-76	-115	-132
-93	-13	73	108	154	184	135	-36	-223	-300	-252	-115	53	130	113	60	-12	-42	8
80	139	135	81	-41	-104	-143	-142	-98	-32	5	4	-9	-4	40	77	62	-2	-94
-161	-144	-86	-60	31	123	187	216	165	120	65	43	26	-40	-120	-144	-98	-13	42
37	-7	-53	-68	-13	19	-1	-59	-121	-119	-54	9	31	24	25	47	78	105	98
43	-25	-32	14	97	83	35	-18	-71	-87	-58	-11	41	97	118	52	-12	-9	9
-9	-54	-106	-131	-36	9	9	-15	-33	-20	18	54	92	100	58	4	-49	-91	-101
-98	-83	-54	26	59	-20	-63	-41	-8	9	-3	-49	-75	-73	-44	13	92	154	145
77	-5	-83	-129	-71	-7	31	60	70	69	64	41	-5	-85	-168	-214	-183	-95	-3
86	106	45	-7	-52	-74	-88	-87	-30	110	256	241	85	-60	-156	-187	-139	-72	-6
48	65	65	67	7	-61	-131	-190	-172	-96	-32	-7	5	38	87	125	109	60	13
-8	-13	-11	-19	-129	-132	-83	-11	63	106	108	97	87	65	12	-45	-76	-65	-31
1	32	51	55	-5	28	77	124	142	107	62	34	16	-13	-60	-110	-108	-34	56
134	108	1	-112	-96	-1	49	58	78	126	143	121	91	7	-87	-121	-113	-78	-53
-53	-59	-55	-46	-39	-64	-96	-65	-23	45	76	62	40	24	9	-8	-29	-21	36
66	34	-15	-51	22	78	116	92	42	6	-23	-44	-50	-24	18	61	103	158	199
129	45	24	13	-25	-63	-119	-165	-184	-177	-137	-70	-2	50	95	97	43	23	53
78	67	41	16	-83	-100	-60	-16	27	53	47	38	45	63	75	71	57	41	20
-3	-27	-49	-58	-2	36	68	94	121	131	83	2	-60	-81	-78	-60	-38	-17	3
18	31	33	24	36	50	37	-4	-41	131	83	3	33	52	84	65	21	-25	-55
-44	-15	12	39	81	92	74	29	-19	-65	-114	-139	-108	-54	-14	-30	-68	-62	-32
-7	-7	-28	-48	-65	-42	-17	8	18	9	-3	-15	-27	-39	-51	-46	-14	-2	2

IIF101 71.142.0  
 STATION NO. 113  
 INSTR PERIOD = 0.0660 SEC DAMPING = 0.592  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 EDISON COMPANY, COLTON, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER 34 24 00N, 118 23 42W  
 CCMP UP 34 03 34N, 117 18 45W

PEAK VALS ACLA = -19.7 CM/SEC/SEC AT 4.64 SEC VELC = 1.5 CM/SEC AT 7.98 SEC DISP = 1.4 CM AT 8.94 SEC

INITIAL VELC = 0.05406 CM/SEC INITIAL DISP = 0.34796 CM

566 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-55	-73	-86	-89	-76	-48	11	61	72	69	47	-12	-63	-80	-64	-23	2	0	-17	-13
42	79	53	2	-47	-55	-34	-17	-1	25	38	10	-33	-54	-31	18	31	-1	-25	-14
-34	19	10	4	6	25	54	70	58	38	34	39	40	42	50	41	-12	-75	-92	-66
22	-34	-46	-41	-49	-57	-50	-60	-72	-92	-87	-59	-6	68	104	71	26	6	-6	-1
34	82	118	112	80	64	68	65	52	39	28	6	-37	-76	-98	-100	-70	-18	28	25
-7	-6	13	2	-28	-46	-42	-36	-26	-8	58	114	95	30	-18	-32	-35	-40	-39	-24
5	40	57	32	-19	-42	17	87	87	34	0	12	41	38	-11	-54	-37	33	65	1
-93	-116	-73	-20	24	40	17	-26	-60	-25	75	157	161	102	36	-15	-62	-121	-139	-63
22	41	14	-46	-109	-123	-66	-23	-49	-80	-36	50	119	142	110	53	6	10	32	28
10	-8	-26	-28	-6	3	-13	-25	-16	3	22	29	17	-14	-74	-89	-2	91	102	79
65	41	-25	-108	-136	-58	51	124	151	135	18	-167	-197	-109	-50	-27	2	22	11	30
88	110	95	67	28	0	16	51	36	-34	-95	-115	-108	-92	-71	-39	28	64	-2	-69
-60	-24	-19	-24	-22	30	119	127	94	76	53	19	-12	-17	-15	-38	-71	-44	27	83
94	72	8	-85	-136	-78	27	55	40	26	12	-6	-15	12	55	83	64	5	-62	-106
-142	-157	-100	-18	68	108	88	14	-65	-31	53	88	60	30	15	0	-13	0	37	67
70	42	-9	-70	-122	-116	-10	110	130	76	-26	-94	-81	-47	-29	-39	-57	-75	-60	12
84	112	77	-24	-106	-101	-59	-9	44	79	95	102	102	91	63	8	-53	-60	3	50
29	-17	-65	-75	-45	-14	9	30	30	4	-44	-79	-54	-18	-7	-3	5	32	72	98
93	31	-53	-61	-15	23	32	25	6	-27	-46	-32	-8	15	40	66	90	100	79	-12
-116	-102	-41	-25	-15	2	3	-21	-46	-60	-70	-81	-87	-55	-11	-3	-12	-18	6	53
104	57	-5	-57	-14	49	77	43	-15	-64	-85	-82	-73	-49	-8	42	68	38	-12	-55
-58	-30	-1	26	56	71	10	-97	-115	-46	17	25	-1	-26	-52	-74	-82	-82	-81	-81
-77	-57	-27	2	31	39	18	-8	-22	-22	-19	-3	19	3	-5	17	37	30	16	4
4	17	33	32	13	-8	-18	-15	-2	24	23	7	16	44	68	50	5	-43	-73	-58
-24	9	41	47	15	-8	9	39	67	67	32	-10	-40	-39	-15	-1	17	15	-7	-30
-32	-5	16	11	-3	-14	-16	-10	-4	1	4	-1	-10	-18	-23	-18	-9	0	6	13
13	12	16	29	44	57	50	27	3	-19	-22	-10	3	15	27	35	38	26	14	3
-10	-18	-1	37	70	80														

11F102 71.143.0  
 STATION NO. 56  
 INSTR PERIOD = 0.0530 SEC DAMPING = 0.507  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 FT. TEJON, TEJON, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER 34 24 00N, 118 23 42W  
 COMP NOGE 34 52 03N, 118 54 09W

PEAK VALS ACCLN = -24.6 CM/SEC/SEC AT 0.18 SEC VELC = -1.4 CM/SEC AT 3.32 SEC CISP = -0.8 CM AT 4.44 SEC

INITIAL VELC = 0.65371 CM/SEC INITIAL DISP = -0.01056 CM

521 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-36	7	82	56	-1	76	138	55	-125	-246	-227	-106	31	135	177	165	89	26	-56	-141
-153	-118	-21	61	89	83	2	-72	-46	-3	-10	-26	-60	-64	-14	27	101	143	24	-102
-94	-41	-88	-105	23	162	82	-61	-85	-75	-68	-52	-51	-13	72	120	69	-14	-52	-73
-140	-188	-128	4	138	161	43	-51	-40	11	14	-8	-47	-31	-5	-4	34	56	-2	-35
2	55	91	58	-25	-55	19	111	86	-17	-109	-121	-71	-15	-11	-66	-69	-18	6	-17
-28	33	156	219	141	-3	-69	-62	-21	27	30	56	62	11	8	25	-34	-111	-129	-34
76	86	106	64	-39	-31	33	35	1	-45	-19	34	16	-27	-18	58	100	51	-9	-56
-76	-47	-14	-33	-56	-56	-22	4	-37	-86	-67	-24	-33	-44	-55	-38	18	53	56	11
-59	-53	0	-27	-108	-136	-50	85	101	44	40	71	68	21	-4	-17	-64	-82	-33	5
3	9	38	75	73	37	15	14	10	-8	-22	-17	-16	-39	-52	-45	-21	-4	-12	-11
28	65	91	78	66	60	40	11	11	9	-22	-29	11	21	-39	-77	-60	-69	-51	34
130	136	84	48	49	66	95	103	25	-88	-129	-128	-108	-76	-31	17	67	116	125	87
65	86	67	16	24	37	12	-24	-76	-91	-48	-19	-19	2	38	36	-28	-38	49	109
72	-6	-32	7	29	18	-34	-70	-46	-46	-77	-87	-28	62	134	134	15	15	-25	-42
-80	-118	-94	-64	-66	-80	-44	19	23	-17	-11	5	19	58	90	65	3	-46	-54	-28
12	32	48	36	-31	-104	-31	-12	40	15	-35	-42	-7	36	29	9	31	52	32	-10
-31	-23	-19	-9	-10	-24	-16	12	20	1	-8	8	24	33	29	3	-20	-34	-35	-3
36	45	60	70	29	-45	-88	-59	-8	37	78	81	23	-45	-73	-45	-24	-11	3	28
55	60	22	-22	-51	-49	-32	-23	-15	-6	-12	-30	-32	-1	15	24	17	-16	-67	-107
-101	-64	-20	32	68	84	50	-4	-4	20	8	-6	16	31	32	19	-6	-38	-47	-13
18	21	25	15	-42	-47	-28	-29	-16	5	29	43	46	49	44	31	2	-55	-84	-52
-26	-18	6	67	112	81	-3	-78	-103	-58	-12	27	45	31	-10	-59	-81	-43	15	38
17	-8	1	23	12	-16	-38	-34	3	39	48	24	11	19	34	27	5	-15	-31	-12
27	38	16	2	13	17	0	-23	-35	-26	13	55	44	-13	-40	-27	15	56	52	-13
-55	-27	15	-7	-58	-62	-36	-17	-4	0	12	13	-17	-56	-46	-9	15	16	15	11
-4	-33	-50	-29	12	43	46	34	22	14	12	10	4	-5	-2	7	5	-1	11	39



IIF102 71.143.0  
 STATION NO. 96  
 INSTR PERIOD = 0.0520 SEC DAMPING = 0.632  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 FT. TEJON, TEJON, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.  
 EPICENTER 34 24 00N, 118 23 42W  
 CCMP N90E 34 52 03N, 118 54 09W

PEAK VALS ACCLN = -20.6 CM/SEC/SEC AT 2.02 SEC VELD = 1.3 CM/SEC AT 2.88 SEC DISP = -0.7 CM AT 2.20 SEC

INITIAL VELO = -0.05222 CM/SEC INITIAL DISP = 0.06709 CM

519 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

76	-32	-132	-57	-3	85	84	17	-64	-73	38	141	97	-33	-117	-94	1	107	116	51
33	34	-4	-109	-196	-178	-72	65	134	137	113	74	9	-18	21	38	-7	-37	-73	-157
-192	-78	54	69	72	93	55	-2	-70	-114	-122	-46	39	46	-2	-7	50	76	44	17
13	28	-7	-78	-72	-7	-9	-82	-123	-123	-63	34	126	156	172	153	89	19	-40	-98
-115	-69	-38	-19	-38	-121	-137	5	134	69	2	41	117	135	85	31	25	9	-40	-104
-170	-206	-154	-30	103	120	76	76	81	100	145	160	91	-53	-146	-89	17	44	-14	-62
-46	-38	-40	17	83	104	120	122	41	-24	-44	9	40	-19	-53	-122	-88	-15	65	96
102	117	134	99	22	-50	-68	-74	-119	-127	-64	0	16	16	30	75	126	85	-3	-66
-73	-58	-12	6	-54	-95	-53	6	27	7	38	89	54	-32	-77	-43	-13	15	19	-9
-50	-51	-9	29	80	136	115	20	-74	-85	-24	41	85	64	-14	-62	-41	-44	-61	-13
50	91	111	70	-30	-85	-43	55	74	-20	-85	-41	36	18	-45	-51	-70	-14	40	50
-4	-84	-131	-83	-21	-8	6	27	39	28	8	18	39	43	24	-6	-18	-14	14	59
27	-58	-110	-78	11	84	88	43	7	-30	-64	-71	-17	52	72	55	7	-23	-55	-112
-104	-51	3	22	14	6	1	10	42	56	57	76	73	5	-99	-146	-101	-41	-16	-33
-72	-99	-75	-20	33	49	39	36	46	47	21	5	-6	-40	-87	-56	-45	23	65	71
30	-23	-55	-10	70	67	-17	-75	-73	-55	-29	-19	-21	1	40	54	47	20	-4	19
55	52	30	7	-30	-57	-31	-10	-33	-22	31	51	12	-27	-14	10	20	30	52	55
12	-10	19	32	-15	-62	-79	-65	-42	11	74	103	96	91	51	-24	-46	-20	8	-6
-47	-69	-68	-23	41	69	36	21	42	50	14	-27	-57	-79	-57	-8	17	5	1	32
63	60	40	31	23	0	-15	-4	-13	-28	-22	-6	-4	9	30	30	-2	-38	-70	-82
-50	4	62	102	75	14	-33	-52	-34	-13	-11	-8	27	80	66	33	-35	-57	-16	23
27	27	46	37	-12	-68	-111	-122	-67	19	73	58	26	22	18	7	9	-4	-28	-45
-45	-12	29	36	11	-14	-6	9	10	4	-3	11	31	23	-24	-60	-63	-28	6	5
-25	-18	9	37	54	64	46	13	-4	-9	-39	-78	-81	-29	45	90	83	57	18	17
42	32	-11	-50	-58	-41	-28	-18	-15	-11	-17	-30	-43	-55	-42	0	29	51	58	52
47	30	-3	-32	-43	-24	-3	10	24	28	14	-6	-1	26	48	57	43	27	27	27

11F102 71.143.0  
STATION NO. 96

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
FT. TEJON, TEJON, CAL.

EPICENTER 34 24 00N, 118 23 42W  
CCMP DOWN 34 52 03N, 118 54 09W  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

INSTR PERIOD = 0.0510 SEC DAMPING = 0.632

PEAK VALS

ACLN = 15.3 CM/SEC/SEC AT 0.40 SEC VELO = -1.0 CM/SEC AT 10.30 SEC DISP = -0.5 CM AT 4.56 SEC

INITIAL VELC = 0.42223 CM/SEC INITIAL DISP = -0.06227 CM

519 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

24	-71	-54	-18	29	60	116	83	7	-34	5	49	32	-37	-70	-91	-113	-109	-21	101
153	78	-14	-65	-60	-61	-61	-53	-40	-8	18	38	52	17	-34	-38	-21	38	89	14
-24	44	51	39	-23	-73	-6	-45	-78	-63	-53	10	62	62	27	50	22	-52	-58	-23
42	27	-36	-54	-74	-29	-16	-35	-43	14	45	28	38	17	55	75	-6	-26	-18	-57
-27	18	13	37	45	-22	-95	-93	-25	62	75	10	-55	-88	-70	33	120	128	87	-6
-76	-51	5	17	-36	-72	-16	68	108	99	24	-39	-81	-108	-88	-46	18	98	94	41
21	-6	-24	-33	-50	-52	-10	34	57	65	39	-28	-79	-101	-63	19	57	57	-22	-68
-38	-7	32	31	-38	-48	-24	-23	-12	18	59	57	86	16	-22	-46	-68	-39	-6	-10
-55	-70	19	67	33	4	8	35	39	22	-2	-27	-32	-15	-2	-16	-32	-1	18	6
-59	-122	-98	-7	68	80	30	-2	-10	-17	-26	-36	-39	-36	-18	30	64	41	9	-6
-21	-46	-52	-14	21	21	12	15	34	75	81	46	-24	-75	-53	-5	32	66	78	60
38	5	-42	-47	-22	13	49	57	31	2	-3	21	11	-21	-16	5	25	30	21	11
-9	-15	-1	-6	-21	-28	-8	-49	76	44	-17	-91	-114	-61	32	119	56	-17	-7	3
-5	-14	6	32	-20	-71	-60	-41	-6	62	107	80	18	-20	-15	-9	15	61	47	-3
-21	-10	-4	11	15	-13	-18	-18	-19	-15	27	73	59	-3	-42	-47	-30	-10	-1	-15
-27	-24	-20	-2	-17	-29	-18	4	32	31	1	-10	10	45	48	24	11	30	27	-12
-26	-28	-26	6	35	32	-6	-38	-42	-13	20	20	-33	-67	-54	-23	13	17	-12	-17
4	22	22	-25	-76	-64	-31	-3	17	4	-23	-41	-49	-32	17	59	49	33	6	-24
-36	-38	-39	-33	-19	-5	13	22	7	-18	-38	-30	24	73	72	29	-3	-18	-2	18
22	9	19	54	62	36	0	-35	-17	28	38	38	38	10	-33	-6	38	36	0	-22
-11	-10	-33	-33	-20	-6	13	28	11	-33	-43	-8	16	27	23	2	-40	-78	-76	-16
20	19	11	7	8	7	1	2	4	4	2	-8	-11	-3	-7	-5	-4	-26	-26	-18
-31	-28	-21	-14	-14	-8	26	76	80	36	4	-20	-38	-32	-4	15	27	45	64	50
-3	-46	-62	-14	48	77	76	50	19	-21	-63	-71	-40	-8	22	41	22	-6	-20	-21
-33	-51	-55	-48	-30	13	43	46	16	-22	-44	-50	-46	-32	2	21	22	16	8	-8
-29	-34	-19	-10	-30	-56	-50	-16	17	28	20	-20	-68	-68	-28	4	16	24	27	

IIF103 71.144.0  
 STATION NO. 269  
 INSTR PERIOD = 0.0556 SEC DAMPING = 0.593  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 PUMPING PLANT, PEARLBLOSSOM, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
 COMP NODE 34 30 30N, 117 55 18W

PEAK VALS ACLN = -91.5 CM/SEC AT 0.98 SEC VELO = 4.4 CM/SEC AT 6.00 SEC CISP = -2.5 CM AT 23.12 SEC

INITIAL VELC = -0.12652 CM/SEC INITIAL DISP = -0.07260 CM

1367 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

31	-126	74	155	118	119	73	78	148	-3	-257	-252	21	53	-79	-214	-161	-27	49	-15
58	248	15	-360	-531	-441	66	565	297	32	417	446	9	-135	-339	-449	27	565	643	605
399	-156	-584	-655	-411	447	888	258	-507	-915	-879	-377	395	650	245	-259	-382	48	451	287
240	261	-67	-591	-415	318	485	-89	-529	-523	-153	42	18	-69	-289	-330	125	454	328	126
-124	-268	-228	-90	55	403	509	4	-433	-579	-385	171	522	460	355	316	-70	-500	-505	-194
-221	-395	-229	72	206	162	138	39	19	241	539	454	76	11	136	290	232	-41	-240	-172
-54	-125	20	251	68	-66	41	6	50	276	155	-106	4	-9	-195	-127	-7	-65	15	24
-185	-176	118	165	96	184	325	288	180	-36	-489	-666	-390	6	48	-305	-528	-309	44	345
583	615	461	274	152	-191	-655	-439	259	332	-3	81	40	-332	-342	-46	-95	-281	-143	247
451	468	151	-342	-541	-454	-349	58	508	456	-93	-384	-412	-267	106	350	337	304	182	-57
-70	40	155	199	224	318	219	-173	-448	-335	-144	-49	208	338	251	228	30	-311	-107	441
553	51	-481	-629	-514	-243	104	189	18	-116	-162	-116	90	309	315	192	77	-122	-249	-17
189	-77	-366	-285	-11	102	77	35	-16	-275	-383	-102	228	394	326	76	-249	-257	-16	139
362	486	326	-208	-505	-329	-14	55	-98	-140	36	-84	-282	-213	-78	-71	-34	60	152	250
362	525	523	119	-291	-423	-353	-163	-55	32	206	288	232	74	-139	-125	162	454	621	493
122	-177	-399	-487	-342	-89	49	-39	-290	-365	-141	-31	-203	-232	-45	-158	159	-9	20	294
308	159	90	-89	-302	-409	-474	-437	-339	-270	-379	-241	312	538	166	-29	-83	-277	-293	-108
103	150	283	338	154	-17	-7	-47	-167	-102	-14	2	69	181	118	43	124	31	-82	30
39	-29	57	150	162	238	188	12	-17	139	147	-49	-126	-177	-180	-364	-556	-418	-18	177
212	182	-23	-145	-26	248	527	621	369	2	-187	-168	-121	-98	-22	-33	4	121	35	-227
-468	-492	-289	-92	62	109	62	94	62	-149	-323	-160	278	503	391	108	-60	-58	-48	-35
93	330	475	308	-86	-422	-432	-209	-41	-15	18	-23	-171	-161	59	312	343	184	31	-49
-65	23	156	151	5	-50	-64	-134	-169	-91	1	-29	-30	175	306	221	63	16	56	83
94	137	167	240	195	6	-187	-228	-99	63	75	-41	-102	-70	-3	88	61	-118	-155	-24
3	-57	-73	34	72	-3	-76	-57	-13	-53	23	112	45	-81	-123	-38	135	308	293	114
-75	-176	-166	-163	-101	-6	-52	-231	-358	-418	-434	-313	28	386	411	181	59	24	24	114
233	244	149	76	39	-14	-53	-22	-74	-218	-218	-56	61	245	239	63	-26	-16	-101	-266
-215	35	216	218	109	32	84	175	167	72	-64	-185	-292	-255	-105	-20	-3	-2	-40	-84
-105	-108	-82	-13	8	-72	-102	-17	15	39	121	99	-86	-202	-220	-132	28	229	307	181
7	-79	-100	-62	-44	-74	21	101	15	-84	-58	-19	65	194	178	91	110	147	94	5
-61	-30	67	79	66	100	59	-23	-27	53	89	-14	-141	-252	-331	-294	-146	192	183	156
18	-138	-95	37	37	-2	76	149	138	53	32	-52	-154	-200	-89	113	252	67	64	-3
-3	77	137	108	-3	-52	65	194	193	68	-17	6	36	15	-34	-89	-112	-110	-94	-94
-42	17	74	119	153	171	119	-10	-163	-249	-246	-184	-126	-37	-121	-163	-183	-160	-106	13
144	59	-5	40	107	68	-11	-85	-91	-40	-53	-22	38	1	-55	34	113	118	132	101
8	-68	-12	74	125	139	46	-77	-90	-40	-3	36	47	13	-25	-80	-87	1	84	106
30	-53	-18	105	188	165	67	-7	8	30	-29	-49	-13	-69	-121	-19	113	117	44	-8
-54	-35	48	113	109	50	-37	-152	-143	-21	-19	-117	-101	12	8	-73	-108	-88	-50	-12
18	34	58	114	32	-180	-228	-141	-43	64	185	182	-13	-139	-111	-76	-90	-35	36	36
-30	-83	-102	-116	-79	40	118	77	4	-25	10	84	118	32	-46	-35	-9	5	15	5

[illegible]



-7	59	136	118	27	17	37	15	-21	-14	95	209	164	-16	-164	-200	-139	-74	-66	-64
29	170	225	185	72	-99	-133	-1	135	146	125	120	86	27	-31	-105	-144	-96	-30	-14
8	56	51	-29	-62	-1	54	39	-10	-16	-7	23	45	58	53	-3	-58	-53	-32	-9
101	104	-14	-188	-286	-220	-32	94	100	119	107	55	9	-21	-22	14	36	23	21	77
104	56	-9	-75	-101	-19	97	120	-5	-152	-141	-22	63	49	-31	-62	-25	-66	-123	-114
-87	-36	19	8	-64	-104	-58	59	171	182	87	-43	-181	-203	-65	85	95	61	17	-55
-72	-28	10	27	-27	-104	-87	30	192	266	162	11	-41	-23	-10	4	3	-26	-23	42
87	62	45	81	88	56	23	40	69	64	88	145	179	175	101	-26	-89	-52	-16	-28
-19	22	-20	-62	-16	48	60	-18	-121	-140	-34	127	169	56	-100	-161	-42	76	52	-53
-94	-32	11	-11	-73	-88	-21	45	12	-73	-68	25	72	48	-36	69	57	4	-40	-52
-65	-84	-83	-72	-69	-64	-37	6	55	109	107	36	-21	-51	-56	-33	-19	-43	-31	32
30	-55	-108	-118	-114	-45	64	91	52	23	-12	-51	-88	-124	-103	10	130	95	-25	-73
-122	-181	-204	-152	-43	33	34	14	23	52	58	4	-75	-67	28	76	44	12	-24	-49
-39	-50	-81	-38	43	129	191	156	-9	-112	-94	-34	14	64	129	148	79	10	-15	-11
5	22	65	67	34	17	14	-15	-50	-24	27	37	18	0	-47	-112	-108	4	95	100
47	0	-43	-67	-29	33	45	10	-52	-88	-81	-64	-86	-102	-72	-38	-7	8	-15	-5
53	42	2	-13	-46	-64	5	83	88	30	-16	-31	-6	19	50	43	-23	-49	10	75
133	172	137	66	25	10	-3	-17	-17	10	53	54	17	2	12	-7	-52	-72	-52	-14
9	0	-29	-44	-47	-32	-30	-36	-31	-12	6	16	8	-10	2	32	22	-9	-20	10
50	62	44	9	-14	-13	-12	-9	-7	-23	-28	-3	8	-4	-18	-34	-47	-24	-17	-15
17	51	41	-2	-45	-44	-5	-5	-45	-36	16	58	77	45	-22	-82	-66	-42	-60	-35
31	64	39	-6	-24	-17	-14	-49	-118	-168	-131	-48	-4	1	-21	3	38	58	77	89
74	44	25	0	-38	-26	20	26	-25	-84	-121	-115	-65	-13	28	27	12	18	45	67
60	49	45	37	32	25	9	5	25	45	39	7	-21	-34	-12	14	-4	-60	-80	-41
-13	-26	-45	-22	11	22	3	-26	-29	-9	20	72	95	39	-5	-16	-12	-10	-11	-21
-33	-16	40	70	26	-39	-61	-38	-12	16	42	61	62	42	-1	-51	-44	26	78	81
38	39	63	51	-18	-68	-88	-56	-20	9	28	34	7	-27	-27	-8	6	17	14	-13
-38	-31	-12	7	22	29	32	36	37	36	27	6	1	-9	6	1	13	20	10	-48
-45	-17	0	9	5	7	7	24	50	41	27	6	1	9	6	1	13	20	10	-48

IIF103 71.144.0  
 STATION NO. 269  
 INSTR PERIOD = 0.0563 SEC DAMPING = 0.607  
 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
 PUMPING PLANT, PEARBLOSSOM, CAL.  
 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS ACLN = -47.4 CM/SEC/SEC AT 0.64 SEC VELC = 2.3 CM/SEC AT 3.54 SEC CISP = -1.7 CM AT 11.50 SEC

INITIAL VELO = -0.23308 CM/SEC INITIAL CISP = -0.14424 CM

1367 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

1	-72	-50	-17	-8	-19	74	104	-30	-14	-24	-84	36	178	33	-71	4	68	50	-20
-5	27	-49	-12	64	67	42	-1	1	64	26	-300	-474	-244	122	237	141	78	-101	-170
11	50	-15	4	92	106	13	3	69	73	23	53	140	-27	-34	117	-189	-299	15	184
311	141	-198	-153	-31	-70	8	122	112	81	-18	-50	85	87	12	17	-1	-90	18	148
78	-93	-193	-138	119	83	-258	-266	-127	-31	-137	-94	13	144	71	-13	70	-11	-136	30
28	-137	-111	-119	-115	63	114	-11	1	81	76	-89	-210	-42	124	-11	58	308	138	-101
-209	-128	80	57	-143	-64	46	90	107	92	-71	-230	-180	-65	84	275	219	-5	-44	96
110	-53	-37	126	114	32	28	106	234	166	-118	-136	168	233	-38	-197	0	214	184	130
72	-56	-80	-75	-132	-61	19	-51	-52	47	40	-32	22	113	135	130	55	-46	-36	53
-232	-458	-273	-91	81	260	193	-110	-250	-77	137	107	-33	-66	-32	62	79	-161	-402	-171
287	317	116	75	100	-42	-150	-108	19	92	40	-90	-94	-74	-57	6	50	-32	-28	-22
-7	33	-100	-289	-143	254	317	68	-77	-60	-13	24	-15	-126	-153	-120	18	189	145	-82
-132	92	256	92	-128	-111	20	123	126	121	146	78	-15	10	100	173	69	-160	-251	-128
-123	-292	-226	33	55	-80	7	261	288	26	-157	-55	33	-106	-193	-115	12	45	-22	-24
-44	7	112	54	-123	-254	-199	18	184	156	-79	-219	-4	161	-36	-73	76	48	-104	-83
70	187	94	-130	-125	-75	145	61	-8	37	31	-22	110	132	-111	-231	-139	-28	-11	48
63	84	149	125	-62	-135	-24	-28	-132	-107	-13	-13	-62	4	44	-16	-46	-95	-100	-15
27	53	109	45	-74	-64	1	8	-73	-109	-37	20	68	97	66	-7	-114	-114	43	104
25	-26	67	184	85	-109	-52	35	56	139	122	-12	-48	-9	-40	-52	9	-47	-92	-57
-52	-2	66	68	75	97	123	98	-2	-39	-22	-65	-135	-69	151	277	140	-14	-53	-95
-148	-108	1	12	-50	-71	-32	19	81	61	-68	-54	47	-50	-155	-51	91	62	-16	31
136	176	35	-73	30	139	45	-114	-39	90	8	-37	10	7	-18	18	98	57	-60	-95
-47	17	77	78	27	4	44	99	91	17	16	60	30	-9	12	13	-27	-44	8	14
-93	-157	-72	35	-60	-190	-32	133	56	-98	-171	-107	-32	-133	-224	-185	-50	-62	-115	1
125	143	104	33	-38	-16	53	78	59	10	-68	-61	32	29	-91	-131	6	171	145	67
32	13	-10	-32	-25	-26	84	64	-18	-48	10	83	67	-22	-58	-27	-38	-56	-11	0
-36	-28	-22	-25	0	-55	-95	19	129	95	47	55	40	-28	-62	-13	-11	-37	44	174
163	63	-7	-60	-62	11	72	27	-67	-93	-62	-41	-27	15	52	39	34	58	57	35
16	44	42	-33	-60	-1	45	21	-45	-90	-72	5	19	-35	63	199	183	106	52	48
31	-12	-65	-13	165	223	80	-36	-36	20	72	58	35	32	4	-36	-99	-120	-1	105
16	-58	-86	-103	-82	-61	-31	26	50	11	-11	-3	9	47	83	51	-22	-37	-14	27
44	-1	-68	-66	16	95	68	21	-6	-24	-19	-27	-64	-96	-75	-44	-10	38	45	28
11	2	-7	-1	15	37	0	-89	-85	-17	25	25	6	-15	-34	-5	18	-22	-17	14
-3	-55	-78	-28	-41	-116	-100	-45	-19	-5	52	109	85	-1	-20	-34	-104	-119	-55	18
62	49	15	10	-28	-108	-85	12	38	0	20	64	50	8	24	72	72	51	83	120
86	-35	-86	-25	11	0	33	44	-44	-85	-3	74	39	-21	-23	-6	2	9	13	-18
-70	-37	39	25	-53	-47	10	27	-6	-55	-66	1	3	-75	-66	-48	-45	-25	15	17
-5	-33	-67	-45	13	-20	-19	10	88	102	23	-26	0	8	-66	-1	4	-2	-13	-17
2	5	-25	-44	-43	-20	6	9	-26	-76	-84	-26	25	-1	-22	38	77	64	-4	-58
-74	-67	-44	7	61	76	27	-49	-78	-22	29	31	27	34	37	28	19	6	-11	-4

-10	-3	18	15	-31	-73	-49	-9	5	16	16	4	22	56	25	-34	-47	-7	34	53
63	73	86	77	28	8	45	89	101	92	48	-15	-50	-15	27	7	-41	-36	28	74
0	-35	31	64	35	-7	13	47	-14	-78	-75	-59	-45	-17	22	53	-41	-51	-63	-8
11	-21	-32	-23	-19	-23	6	46	13	-52	-28	21	24	10	7	14	19	-20	-74	-63
-25	-35	-75	-55	-19	-17	-18	-13	-9	-19	-28	-30	-19	-12	-29	-30	-26	-49	-62	-45
-14	-5	-11	-19	-25	-36	-57	-30	44	38	-22	-24	-12	-12	2	3	6	47	50	23
12	1	4	13	-24	-26	19	2	-33	-33	-32	-26	0	38	40	-24	-45	-6	-15	-40
-21	-16	-27	-30	-9	-23	-46	-22	17	60	82	66	28	2	2	71	76	29	-24	-4
27	35	48	62	74	55	17	-2	-10	-12	13	53	101	115	85	37	-19	-32	6	35
19	1	-5	-5	24	49	39	-4	17	66	51	28	17	4	-4	22	40	10	-32	-47
-39	-16	-23	-40	-23	18	36	24	-8	-20	-21	-21	-24	-22	-9	13	21	25	37	39
-15	-80	-68	-26	11	44	50	28	1	4	7	17	13	-24	-46	-22	-2	-2	-13	-25
-8	17	15	-8	-44	-62	-49	0	19	-9	-21	-23	-26	-25	-25	-35	-46	-19	26	30
15	3	-33	-34	-19	-8	-28	-26	0	-4	-18	-10	17	21	-15	-48	-42	-45	-80	-66
-28	4	13	9	1	-1	0	9	1	-11	12	44	42	6	-20	-27	-19	9	46	67
49	13	-8	8	26	27	30	63	43	-37	-58	-33	-6	8	24	47	45	19	6	-8
-24	-21	-8	0	11	15	23	40	37	1	-18	-20	-21	-29	-50	-51	-34	-25	-14	-3
-19	-38	-9	24	26	9	23	-1	-20	-26	-18	-26	-18	-2	25	48	39	12	-1	1
8	11	6	-5	-6	-6	-8	-9	-6	-1	1	1	2	1	-8	7	41	46	28	12
23	36	24	20	30	28	4	-14	1	12	10	7	8	14	22	16	2	-6	-4	-1
2	16	8	-28	-44	-27	3	26	19	3	1	-5	-18	-23	-16	-30	-35	-12	-10	-20
5	20	2	-12	-18	-21	-31	-37	-8	7	-8	-9	-12	-19	-31	-38	-45	-45	-25	2
-2	-18	-10	6	24	32	24	19	23	13	2	-5	-4	9	21	28	22	1	18	37
23	10	2	12	28	31	19	15	27	47	35	13	10	12	15	15	16	16	16	18
24	25	23	35	29	4	17	27	13	-2	-5	1	5	-2	-11	-24	-31	-17	1	-6
-22	-26	-8	17	11	-2	-2	-2	-9	-16	-10	-3	4	11	4	-24	-38	-2	12	-10
-21	-23	-22	-15	-16	-8	19	28	9	-13	-13	-3	3	-5	-15	-6	6	5	4	7
6	5	4	0	-4	-2	2	-1	2	10	22	23	3	-12	-13	-4	3	5	4	-2
-4	-4	-1	7	9	5	1	-1	2	10	22	23	3	-12	-13	-4	3	5	4	-2



II104 71.146.0 SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST EPICENTER 34 24 00N, 118 23 42W  
STATION NO. 52 CSO PUMPING PLANT, GORMAN, CAL. CMP NOOE 34 48 05N, 118 43 03W  
INSTR PERIOD = 0.0530 SEC DAMPING = 0.621 ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

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PEAK VALS      ACLN = -85.2  CM/SEC/SEC AT 0.54 SEC      VELO = 8.5  CM/SEC AT 1.72 SEC      CLSP = -2.1  CM AT 6.44 SEC

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INITIAL VELC = 0.29543 CM/SEC
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461	INSTRUMENT AND BASELINE CORRECTED DATA IN	MM/SEC/SEC	AT EQUALLY-SPACED INTERVALS	CF	0.02	SEC
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[illegible]

IIIF104 71.146.0

STATION NO. 52

INSTR PERIOD = 0.0540 SEC DAMPING = 0.621

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

CSU PUMPING PLANT, GORMAN, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W

CGMP N90W 34 48 05N, 118 43 03W

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

PEAK VALS

ACLN = 103.1 CM/SEC/SEC AT 0.16 SEC

VELC = 6.1 CM/SEC AT 2.46 SEC

CISP = 2.4 CM AT 2.44 SEC

INITIAL VELC = -1.13655 CM/SEC INITIAL DISP = -0.21241 CM

551 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-100	-149	-136	-85	-3	173	399	707	1031	877	416	-44	-420	-636	-677	-580	-401	-137	152	247
132	11	-4	96	248	379	312	5	-219	-222	-138	-46	-5	38	9	-112	-243	-319	-257	-34
138	115	11	-61	-64	-3	58	71	37	-221	-152	-152	-129	-84	34	201	303	308	240	214
204	33	-195	-241	-171	-164	-242	-327	-375	-356	-261	-120	11	104	221	377	446	324	65	-139
-169	-111	-69	-68	-71	-55	-94	-194	-265	-214	-245	-125	23	131	224	400	566	550	384	194
104	108	101	49	44	87	31	-13	-58	-214	-272	-138	-98	-44	-14	78	237	368	388	323
291	304	216	21	-134	-216	-252	-266	-267	-266	-183	-253	-191	-121	-47	18	30	-18	-53	-149
-204	-334	-440	-431	-352	-249	-187	-194	-237	-266	-183	70	259	280	226	162	140	114	16	-76
-101	-113	-143	-158	-142	-120	-82	-14	40	43	68	160	232	202	132	104	115	107	68	69
14	-68	-193	-251	-261	-220	-103	15	28	-7	-4	0	-2	16	48	101	186	235	216	170
148	161	177	190	146	29	-37	-14	12	26	43	66	104	165	237	248	181	102	26	-31
-46	-47	-97	-159	-174	-197	-217	-165	-14	88	51	7	40	84	113	126	73	-15	-83	-82
2	106	149	108	45	8	15	38	35	9	-8	-8	-19	-72	-112	-92	-18	94	175	147
63	11	28	51	10	-46	-48	-8	3	-26	-43	-54	-62	-50	-35	-61	-124	-155	-125	-100
-89	-18	85	114	48	-64	-171	-229	-189	-133	-125	-111	-71	-65	-181	-227	-165	-30	51	35
-3	-31	-28	-19	-39	-82	-101	-34	88	130	110	135	193	225	212	179	139	109	110	131
126	56	81	66	-26	-132	-178	-189	-199	-185	-131	-70	-24	16	52	73	77	83	103	95
48	40	127	210	180	101	77	67	58	69	86	78	43	-6	-55	-110	-145	-151	-148	-146
-139	-127	-118	-142	-175	-179	-156	-108	-41	17	27	-7	6	108	201	237	234	206	154	81
21	5	36	99	139	85	-29	-99	-141	-164	-141	-91	-40	-23	-57	-105	-122	-112	-85	-53
-13	0	-5	6	0	-22	10	94	157	132	35	-16	-19	-16	14	81	132	130	73	34
45	71	67	69	62	-2	-91	-130	-113	-101	-76	-31	-5	-40	-78	-74	-44	-31	-35	-42
-31	-42	-87	-122	-131	-121	-57	45	125	164	218	167	73	-11	-15	23	92	151	152	82
-28	-108	-105	-51	27	117	156	94	32	19	4	10	49	80	48	-19	-53	-53	-43	-44
-61	-78	-55	14	86	115	97	80	73	49	-1	-36	-45	-65	-89	-91	-79	-77	-84	-82
-55	-7	29	34	7	-11	4	33	42	12	-41	-63	-73	-108	-137	-134	-134	-134	-133	-112
-35	55	190	157	152	112	79	48	45	81	120	134	130	126	112	78	63	88	103	61
-7	-35	-56	-75	-99	-127	-131	-82	-33	0	12	12	130	126	112	78	63	88	103	61

II104 71.146.0

STATION NC. 52

INSTR PERIOD = 0.0560 SEC

CAMPING = 0.592

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST

OSO PUMPING PLANT, GORMAN, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CCMP DCWN 34 48 05N, 118 43 03W

PEAK VALS

ACLN =

35.5 CM/SEC/SEC AT 0.36 SEC

VELO =

-3.8 CM/SEC AT 1.08 SEC

DISP =

1.2 CM AT 7.58 SEC

INITIAL VELC = 0.41957 CM/SEC INITIAL DISP = 0.23339 CM

549 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

89	11	-3	45	101	34	-149	-218	-173	-35	209	259	160	12	-175	-182	-2	219	355	292
186	24	-165	-181	-190	-222	-163	-86	-126	-185	-129	-40	24	83	123	112	28	-20	-26	-78
-30	67	11	-124	-208	-233	-149	-74	-88	-162	-256	-284	-256	-129	25	136	226	139	37	84
97	108	210	190	-10	-64	71	38	-29	64	61	-19	28	123	126	117	167	196	188	174
113	14	-46	-17	59	110	107	-8	-144	-135	-38	-42	1	38	-28	-23	37	92	100	167
98	-37	-99	-108	-98	-47	-54	-81	-70	-121	-162	-160	-199	-195	-110	-14	10	-60	-133	-123
-22	56	-12	-58	-13	-51	-93	20	78	7	-10	-59	-76	34	105	121	150	117	17	-2
100	134	101	64	10	-30	-19	17	86	146	77	-47	-36	-24	-55	9	44	17	-4	-95
-115	-44	-87	-136	-102	-21	31	48	19	-51	-48	51	153	156	110	126	133	66	40	55
-23	-153	-151	-79	-59	-35	-28	-34	14	33	-38	-33	31	8	47	132	152	114	105	141
115	80	68	-10	-66	-73	-88	-89	-88	-84	-51	-8	18	-14	-70	-87	-65	-21	22	11
-50	-55	-76	-14	19	-65	-170	-135	-22	52	64	48	75	74	45	57	117	139	82	92
154	70	-68	-117	-61	28	118	137	10	-86	-104	-20	122	161	106	38	-4	-4	19	25
-5	-33	-36	2	6	-12	36	69	45	38	106	134	55	0	-32	-60	-45	-7	3	-34
-66	-97	-175	-189	-76	7	-15	-63	-84	-57	4	-8	-42	40	100	81	90	60	-74	-130
-17	103	113	72	9	-29	-9	10	27	19	7	25	16	-12	11	37	14	-20	-32	-55
-100	-73	19	76	91	20	-74	-111	-89	-48	-8	21	15	-24	-24	-8	-25	-32	-23	-33
-56	-59	-41	-6	36	35	58	91	11	-61	-18	43	82	105	55	8	56	88	54	-8
-99	-103	16	46	2	-55	-112	-96	-58	-52	-43	32	106	65	-9	-9	60	118	114	82
62	57	38	-57	-120	-42	59	54	28	-32	-114	-141	-117	-83	-62	-25	39	40	-74	-208
-230	-171	-88	3	72	84	30	-52	-100	-60	17	73	153	140	-16	-72	2	28	28	59
55	-21	-110	-132	-84	-23	-17	-15	34	60	76	120	145	107	20	-41	-20	18	12	20
55	66	-1	-57	-11	31	32	8	1	23	13	-18	-46	-38	43	105	52	-48	-107	-92
10	138	119	-50	-137	-80	16	110	91	-46	-119	-58	-108	-114	-51	-19	-56	-48	-17	3
49	41	-48	-94	-38	27	78	115	36	-91	-116	-32	70	73	38	11	-25	-23	-14	-19
-18	-16	-8	48	116	123	84	41	16	29	52	65	74	71	29	-29	-39	-64	-94	-74
-47	-23	-22	-51	-80	-77	-38	-39	-76	-80	-56	-11	29	31	8	-8	-2	18	44	46
18	42	71	57	40	36	31	22	19											

11F105 71.147.0  
STATION NO. 140  
INSTR PERIOD = 0.0840 SEC

DAMPING = 0.592

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
UCLA REACTOR LABORATORY, LOS ANGELES, CAL.

ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN C.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CCMP SOCM 34 C4 00N, 118 27 00W

PEAK VALS

ACLN = 83.1 CM/SEC/SEC AT 3.04 SEC

VELO = -8.3 CM/SEC AT 7.12 SEC

CISP = 4.0 CM AT 6.32 SEC

INITIAL VELC = -0.16310 CM/SEC

INITIAL DISP = 0.28135 CM

3178 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-112	-67	6	41	72	53	-66	-130	-59	64	23	-4	32	27	-56	-93	38	105	66	-4
-27	-4	4	1	2	2	36	48	1	-106	-174	-74	40	90	69	9	6	46	57	23
-36	-57	-40	-10	-2	-19	-25	-22	-44	-69	-61	-6	20	-15	-52	-10	61	79	54	19
6	-5	-56	-67	-25	-15	74	161	135	13	-64	-80	-45	16	77	99	55	-14	-37	-2
33	-48	-105	-106	-87	-75	-91	-40	91	151	95	-51	-139	-99	49	106	134	154	157	77
-18	-17	61	63	30	8	-15	-69	-116	-129	-44	37	44	27	33	28	-39	-42	-2	-43
-130	-165	-61	18	8	-67	-134	-310	-309	-190	-16	100	92	-58	-125	64	206	252	250	282
388	398	343	225	29	-269	-530	-668	-624	-476	-127	442	831	771	326	-232	-710	-729	-12	380
465	326	80	-83	-188	-411	-588	-320	66	83	80	57	120	122	140	17	-224	-376	-313	-215
-141	63	404	623	694	640	445	143	-215	-422	-273	-65	201	423	415	193	38	-5	18	34
129	177	110	9	-66	-109	-108	2	203	343	439	322	128	-60	-232	-458	-595	-657	-553	-319
-14	248	343	392	413	325	98	-95	-186	-159	-23	74	68	-110	-296	-246	30	344	515	517
417	196	-45	-151	-166	-193	-302	-204	-8	41	-12	21	165	156	85	-116	-219	-112	80	152
114	34	-3	-51	-175	-337	-457	-523	-367	-39	306	494	542	525	349	20	-319	-464	-484	-325
-62	247	468	370	54	-142	-73	66	57	-120	-283	-333	-323	-305	-262	-170	-66	-28	42	129
138	93	28	-35	-51	-26	-37	-21	51	18	8	175	227	65	-216	-304	-334	-356	-351	-123
268	397	261	-125	-398	-508	-446	-139	311	535	484	180	-169	-398	-459	-419	-293	-7	315	564
529	253	-37	-267	-431	-467	-347	-198	-196	-289	-297	-69	79	85	15	-67	-136	-228	-278	-217
-74	94	266	347	326	176	86	51	-12	-147	-242	-278	-224	-172	-157	-92	97	261	323	294
163	-128	-461	-600	-576	-272	92	226	104	-76	-173	-111	47	178	282	304	242	178	208	290
362	429	467	481	406	167	-58	-219	-301	-272	-162	65	285	342	254	214	184	46	-217	-415
-382	-121	66	186	301	381	330	250	178	100	-28	-95	-55	22	43	62	148	258	215	240
175	100	3	-127	-213	-237	-171	-79	-21	27	60	75	22	-52	-119	-151	-162	-80	20	86
129	130	78	25	50	162	241	297	313	261	122	-32	-141	-198	-163	-87	-26	20	47	20
-60	-77	-37	-2	-10	-97	-164	-168	-122	-109	-87	-27	20	43	77	143	177	167	121	53
-60	-174	-180	-71	57	161	202	147	-35	-165	-212	-185	-162	-164	-158	-114	-84	-108	-170	-197
-130	-52	-4	49	62	33	13	13	28	39	51	31	-2	-35	-57	-48	-3	48	92	113
47	-104	-202	-185	-89	-34	11	52	75	79	4	-79	-100	-32	58	107	144	151	143	110
52	5	-28	-53	-53	-42	-28	-18	-31	-84	-131	-151	-162	-140	-96	-80	-105	-161	-195	-188
-138	-102	-65	-29	-9	-9	-2	8	5	-12	-34	-48	1	54	63	43	17	-28	-71	-74
-38	4	18	23	27	30	15	-9	-10	27	53	44	-16	-71	-106	-118	-93	-68	-51	-21
10	36	60	72	60	43	49	134	174	198	173	56	-5	-73	-88	-39	-16	-40	-105	-142
-133	-114	-99	-83	-67	-38	13	68	85	82	85	58	98	93	82	63	35	3	-30	-55
-53	-1	61	123	151	136	71	-10	-93	-129	-99	-23	62	106	123	106	92	79	75	66
52	39	51	61	62	49	37	21	31	67	125	163	168	136	105	63	22	-23	-64	-78
-66	-50	-15	13	26	-7	-36	-50	-54	-70	-87	-100	-102	-90	-65	-54	-55	-63	-74	-86
-98	-102	-95	-83	-79	-81	-79	-68	-45	9	61	56	100	53	13	-5	10	27	42	54
70	81	77	69	65	64	62	75	87	94	69	14	-13	-35	-45	-58	-84	-101	-104	-90
-75	-63	-49	11	95	131	123	59	-6	-38	-63	-77	-89	-55	2	47	64	42	-1	-41
-73	-88	-75	-21	16	42	17	-29	-67	-108	-141	-147	-114	-78	-53	-48	-62	-79	-72	-37

13	51	67	60	43	22	12	26	50	73	88	84	78	76	77	76	84	86	76	49
24	2	-6	7	30	57	80	83	66	52	41	47	71	97	122	139	128	107	87	73
55	53	60	64	62	51	29	8	-5	-15	-11	-9	-6	-20	-45	-70	-81	-93	-103	-93
-88	-100	-116	-127	-118	-56	-73	-63	-56	-48	-37	-26	-20	-31	-36	-30	-23	-25	-31	-40
-53	-58	-49	-47	-53	-62	-61	-51	-37	-30	-34	-23	9	34	45	33	21	8	14	21
19	5	-13	-43	-46	-35	-18	-17	-33	-45	-47	-38	-28	-18	-11	-2	3	28	63	90
96	81	71	61	54	48	40	46	61	71	74	78	81	84	72	52	29	25	37	37
17	-23	-53	-60	-45	-22	8	33	39	44	44	27	10	8	9	8	6	13	14	8
11	17	22	29	40	59	84	109	102	76	17	-40	-61	-72	-75	-61	-37	-22	-46	-98
-119	-126	-109	-64	-15	14	27	30	34	37	33	24	16	16	24	18	2	-25	-52	-64
-70	-65	-61	-42	-15	1	0	-10	-24	-29	-22	-18	-14	-20	-35	-59	-74	-64	-42	9
39	27	-14	-35	-35	-26	-18	-10	-6	-3	-9	-20	-42	-62	-77	-74	-59	-41	-21	-15
-31	-58	-72	-58	-34	-4	16	13	-5	-32	-49	-43	-20	3	22	29	34	38	34	1
-39	-42	21	96	127	134	114	102	88	77	61	47	30	14	1	13	29	36	45	48
33	7	-14	-20	-17	-12	-9	-7	-9	-13	-18	-19	-15	-18	-21	-28	-30	-23	-10	-2
-4	-8	-13	-21	-30	-30	-27	-27	-41	-49	-42	-33	-24	-15	-7	0	7	16	30	47
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IIF105 71.147.0  
STATION NO. 140

SAN FERNANDO EARTHQUAKE FEB 9, 1971 - 0600 PST  
UCLA REACTOR LABORATORY, LOS ANGELES, CAL.  
ACCELEROGRAM IS BAND-PASS FILTERED BETWEEN 0.070 AND 25 CYC/SEC.

EPICENTER 34 24 00N, 118 23 42W  
CMP N90E 34 04 00N, 118 27 00W

INSTR PERIOD = 0.0840 SEC DAMPING = 0.574

PEAK VALS

ACLN = 77.6 CM/SEC/SEC AT 2.96 SEC

VELO = 8.5 CM/SEC AT 8.20 SEC

DISP = -4.9 CM AT 7.26 SEC

INITIAL VELO = -1.12855 CM/SEC INITIAL DISP = -0.41846 CM

3175 INSTRUMENT AND BASELINE CORRECTED DATA IN MM/SEC/SEC AT EQUALLY-SPACED INTERVALS OF 0.02 SEC

-37	41	42	82	118	-23	-154	-33	116	20	-54	21	118	25	-57	-34	49	70	13	1
47	88	102	119	48	-28	-3	45	37	-12	-48	-42	8	36	-6	-61	-20	43	0	-42
-46	-12	85	154	56	-40	-34	-16	-66	-27	160	249	111	-67	-57	44	137	121	84	57
44	-13	-63	-35	-41	-95	-72	-7	-19	-33	-81	-147	-129	7	45	-9	-83	-79	41	131
152	127	71	33	15	-55	-102	-81	9	107	127	78	42	38	24	-9	-24	-34	-50	-56
-56	-60	-100	-153	-139	71	205	167	43	15	140	139	13	12	126	116	15	30	95	138
174	220	186	-17	-174	-219	-238	-195	-153	-221	-245	34	137	86	52	101	132	24	-204	-412
-504	-428	-154	111	75	-58	213	698	776	504	39	-426	-361	101	326	250	35	19	55	2
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-54	-215	-288	-326	-384	-396	-271	-175	-98	23	39	-88	-122	55	266	424	425	135	-200	-360
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549	438	149	-26	-52	-49	-49	-24	-114	-397	-557	-407	-103	-30	-86	-187	-206	-252	-365	-440
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344	399	394	372	340	270	139	23	13	159	240	191	142	145	257	380	404	296	92	-166
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-99	-88	-4	119	221	302	372	390	304	141	31	-62	-129	-184	-220	-272	-326	-358	-370	-376
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California Institute of Technology  
Earthquake Engineering Research Laboratory

The following reports of the Earthquake Engineering Research Laboratory from 1970 on can be obtained from the National Technical Information Service, Springfield, Virginia 22151:

EERL 70-20	Strong-Motion Earthquake Accelerograms - Digitized and Plotted Data (Vol.I, Part A)	PB-187 847
EERL 70-21	" " (Vol.I, Part B)	PB-196 823
EERL 71-20	" " (Vol.I, Part C)	PB-204 364
EERL 71-21	" " (Vol.I, Part D)	PB-208 529
EERL 71-22	" " (Vol.I, Part E)	PB-209 749
EERL 71-23	" " (Vol.I, Part F)	PB-210 619
EERL 72-20	" " (Vol.I, Part G)	PB-211 357
EERL 72-21	" " (Vol.I, Part H)	PB-211 781
EERL 72-22	" " (Vol.I, Part I)	PB-213 422
EERL 72-23	" " (Vol.I, Part J)	PB-213 423
EERL 72-24	" " (Vol.I, Part K)	PB-213 424
EERL 72-25	" " (Vol.I, Part L)	PB-215 639
EERL 71-50	Strong-Motion Earthquake Accelerograms - Digitized and Plotted Data: Corrected Accelerograms and Integrated Ground Velocity and Displacement Curves (Vol.II, Part A)	PB-208 283
EERL 72-80	Analyses of Strong Motion Earthquake Accelerograms - Response Spectra (Vol.III, Part A)	PB-212 602
EERL 72-100	Analyses of Strong Motion Earthquake Accelerograms - Fourier Amplitude Spectra (Vol.IV, Part A)	PB-212 603
Joint Report:	Strong-Motion Instrumental Data on the San Fernando Earthquake of February 9, 1971	PB-204 198
EERL 71-01	P. C. Jennings <u>et al</u> , Forced Vibration of a 22-Story Steel Frame Building	PB-205 161
EERL 71-02	P. C. Jennings, ed., Engineering Features of the San Fernando Earthquake	PB-202 550
EERL 71-03	Randolph A. Adu, Response and Failure of Structures under Stationary Random Excitation	PB-205 304
EERL 71-04	Jacobo Bielak, Earthquake Response of Building-Foundation Systems	PB-205 305



EERL 71-05	M. D. Trifunac, F. E. Udwadia, A. G. Brady, High Frequency Errors and Instrument Corrections of Strong-Motion Accelerograms	PB-205 369
EERL 71-06	Knut Sverre Skattum, Dynamic Analysis of Coupled Shear Walls and Sandwich Beams	PB-205 267
EERL 71-07	John Brent Hoerner, Modal Coupling and Earthquake Response of Tall Buildings	PB-207 635
EERL 72-01	P. C. Jennings and J. Bielak, Dynamics of Building-Soil Interaction	PB-209 666
EERL 72-02	F. E. Udwadia, Investigation of Earthquake and Microtremor Ground Motions	PB-212 853
DRC 72-01	Albert W. Whitney, On Insurance Settlements Incident to the 1906 San Francisco Fire	PB-213 256
EERL 72-04	J. H. Wood, Analysis of the Earthquake Response of a Nine-Story Steel Frame Building during the San Fernando Earthquake	PB-215 823